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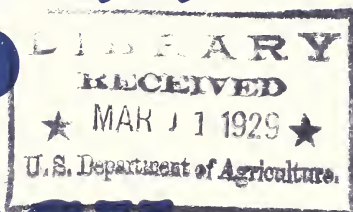
KAUFMANN'S 1929

SEED

— and —

PET STOCK

CATALOG



The Pioneer Seed Store

**JACOB KAUFMANN CO.**

1410 First Avenue

SEATTLE

:-

:-

:-

WASHINGTON

Telephone MAin 3589

OUR MOTTO: *We Not Only Test Our Seeds, but We Sell Only  
Those That Have Stood the Test.*

## TO OUR FRIENDS AND CUSTOMERS

In submitting to you our Annual Catalog nothing has given us more pleasure in the past year than the growing reports we are receiving from friends of our Seeds, Bulbs, Plants, etc. Also our Pet Stock, of which we are the pioneers in the Northwest. Having installed recleaning devices for all our seeds we are in position to serve our patrons better than ever.

*Yours for a Prosperous Year,*

JACOB KAUFMANN CO.



## HOW AND WHEN TO ORDER

**NAME AND ADDRESS.** Be sure to sign your name and address on every order. We often receive orders without name or address, and it is impossible to always trace them. If you do not receive your order in a reasonable time, notify us by sending a duplicate, stating the amount inclosed. We aim to forward all orders same or next day after receipt.

**REMITTANCE** should be made by Post Office money order, bank draft or express order. If sent in any other way it is at sender's risk. We accept postage stamps if proper card is taken to prevent adhesion.

**C. O. D. PARCELS** can be sent only to money order offices.

**MARKET GARDENERS AND RETAILERS** should ask us for special prices, which will be gladly furnished.



## DOMESTIC PARCEL POST RATES

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., Within the United States.

	For First Pound Allow	For Each Additional Pound Add	Weight Limit Lbs.
Local—Seattle, Wash .....	\$.07	\$.00½	70
First Zone—within 50 miles of Seattle, Wash. ....	.07	.01	70
Second Zone—within 50 to 150 miles of Seattle, Wash. ....	.07	.01	70
Third Zone—within 150 to 300 miles of Seattle, Wash. ....	.08	.02	70
Fourth Zone—within 300 to 600 miles of Seattle, Wash. ....	.08	.04	50
Fifth Zone—within 600 to 1,000 miles of Seattle, Wash. ....	.09	.06	50
Sixth Zone—within 1,000 to 1,400 miles of Seattle, Wash. ....	.10	.08	50
Seventh Zone—within 1,400 to 1,800 miles of Seattle, Wash. ....	.12	.10	50
Eighth Zone—all over 1,800 miles of Seattle, Wash. ....	.13	.12	50
Alaska and Foreign .....	.14	.12	50

**FOR PARCELS WEIGHING 8 OUNCES OR LESS** containing seeds, bulbs or books only, the rate of postage to all zones is 1 cent for two ounces or fraction. (Over 8 ounces the parcel post rates apply.)

**FOR PARCELS CONTAINING FOURTH-CLASS MATTER.** Other than the above up to 8 ounces is permitted to all zones at 1½ cents per 2 ounces. (Over 8 ounces the above zone rates apply.)



## NON-WARRANTY

Success with seeds, bulbs and plants depends as much upon the proper planting, soil, water weather and other conditions as upon the seed.

We exercise every care in the selection of the seeds we offer. We will not knowingly send out anything but seed of the highest quality and germination, but as a protection against conditions over which we have no control, all sales of seeds, bulbs, plants, trees, etc., are made subject to the following non-warranty:

Jacob Kaufmann Company gives no warranty, expressed or implied, as to description, quality, productiveness, or any other matter of seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

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## **IMPORTANT NOTICE**

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VEGETABLE SEEDS UP TO TEN POUNDS, ANY  
AMOUNT OF FLOWER SEEDS, AND KO-VITA  
COD LIVER OIL, ARE SHIPPED

**POSTPAID IN UNITED STATES ONLY**

*Field and Grass Seeds and All Other Merchandise must have parcel post charges added to order—see rates on reverse side of front cover. If in doubt as to the proper amount necessary to ship goods, add a fair amount to cover charges and we will refund the difference.*

## CHOICE FLOWER SEEDS

Flowers make a home more cheerful, and as most varieties (and especially the Annuals) are easily grown from seed, no place should be without an assortment. Our flower seeds are American grown, with the exception of a few varieties that are grown by the best growers in Europe, and we put the same up in neat lithographed packets.

Considering the small cost of flower seeds, the large number of varieties, the gorgeous display when in bloom, more real joy, more genuine pleasure, is to be had from floral surroundings and decorated interiors with cut flowers, than any like investment in the world.

**Culture**—Select your soil free from weeds as possible, using a good quality of sandy loam made rich with our "Wilgrow" fertilizer, which should be made fine and thoroughly mixed with the soil. If out of doors, pulverize thoroughly to a depth of one foot, working in fine and firm, watering lightly the day before sowing. Indoor planting requires broken pots, coal ashes or any rough material in the bottom to furnish perfect drainage.

A common mistake made with flowers as well as other seeds is planting too deep. A good rule is to plant the seed thinly to a depth of the thickness of the seed, and always press the soil firmly, as this helps the seed to secure a firm hold and also retain the moisture, which should be kept moist but not wet by a light spray of water to moisten when needed, which is important; cover with one or two thicknesses of newspaper or burlap to prevent the too rapid evaporation of the moisture, removing the covering during the night. When plants begin to come up remove permanently, as they require plenty of air and moisture, but they must not be too wet or they will "damp off."

Plants are usually ready to be transplanted when about two inches high.

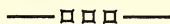
**Perennial Flower Seeds** planted in July or August will bloom the coming season.

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## CHOICE FLOWER SEEDS (Continued)

**ABRONIA UMBRELLATA GRANDIFLORA.** (Sand Verbena). A pretty trailing annual, producing heads of verbenalike flowers; rosy lilac, white eye, fragrant; it delights in a dry poor soil and sunny situation on rockwork. **Pkt. 10c.**

**ACANTHUS LUSITANICUS.** (p). (Bear's Breeches). Herbaceous perennial. A stately, fine-foliaged plant of robust habit. Thrives best in a warm, sunny position. Useful also for wild garden or background for mixed borders. 3 feet. **Pkt. 10c.**

**ACACIA DEALBATA.** Fine pot plant. **Pkt. 10c.**

**ACHILLEA.** (p). (The Pearl). A hardy perennial, blooms the first year if sown early. Grows about 2 feet high and is covered with pure white double flowers. Fine for cutting. **Pkt. 10c.**

**ACONITUM NAPELLUS.** (p). (Monk's Hood or Wolfsbane). Hardy perennial, producing long spikes of curiously shaped dark blue flowers. Well adapted for planting among shrubbery or in shady corners; 3 to 5 feet. **Pkt. 15c.**

**ADONIS AESTIVALIS.** (Pheasant's Eye). Pretty early-blooming annual with deep crimson flowers, long feathery foliage. One foot. **Pkt. 5c.**

**AGATHEA COELESTRIS.** (p). (Blue Marguerite). A tender perennial producing pretty pale blue daisy-like flowers; excellent pot plant or for window boxes. 18 inches. **Pkt. 10c.**

**AGERATUM.** (Floss Flower). One of the best bedding annual plants, being covered with bloom from early summer until frost. The flowers are not liable to be spoiled by rain, nor do the colors fade.

**Blue Perfection.** Deep amethyst-blue, compact growth. 9 inches. **Pkt. 10c.**

**Blue Star.** Exceedingly dwarf and compact; many small colored bright mauve flowers; 3 inches. **Pkt. 20c.**

**Mexicanum.** Tall blue, very attractive in beds and suitable for bouquets; 18 inches. **Pkt. 10c.**

**AGROSTEMMA CORONARIA.** (p). (Rose of Heaven, Mullen Pink). A free-flowering hardy perennial of easy culture, producing glowing crimson single flowers; silvery foliage; 2 ft. **Pkt. 5c.**

**ALYSSUM.** (Sweet Alyssum, Mad-Wort). A free-flowering annual, useful for beds, baskets, edgings, etc. Very sweetly scented.

**Little Gem.** Dwarf; blooms when quite small, and the plants are a solid mass of white from spring to late autumn. **Pkt. 5c.**

**Maritimum.** Of trailing habit, flowers are white. **Pkt. 5c.**

**Lilac Queen.** Delicate lavender flowers. Very dwarf. **Pkt. 10c.**

**Little Dorrit.** Small white flower heads 3 to 4 inches high. **Pkt. 10c.**

**Saxatile Compactum.** (p). Showy golden-yellow flowers; fine for rockeries; a hardy perennial; blooms the first season. **Pkt. 10c.**

**AMARANTHUS.** Brilliant foliaged annuals, growing from 3 to 5 feet high. They thrive best in a hot, sunny location, not too rich soil, and should be given sufficient room to develop their full beauty.

**Cadatus.** (Love Lies Bleeding). Blood red. **Pkt. 5c.**

**Cruentus.** (Prince's Feather). Dark red, feathery flowers. **Pkt. 5c.**

**Tricolor.** (Joseph's Coat). Leaves red, yellow and green. **Pkt. 5c.**

**ANAGALLIS GRANDIFLORA.** (Pimpernell). Free-flowering half-hardy annual of rich, showy flowers, admirably adapted for sunny positions; 6 inches. Finest mixed. **Pkt. 10c.**

**ACHUSA CAPENSIS.** Hardy annual, clear bright blue flowers with small white eyes, resembling a tall and larger Forget-Me-Not of brighter colors; blooms all summer. Two feet. **Pkt. 5c.**

**Italica.** (p). (Dropmore Variety). Bears in abundance flowers of richest gentian-blue. A tall plant, good for the center of a bed. Four feet. **Pkt. 10c.**

**ANEMONE.** (p). (Wind Flower). Hardy. These pleasing flowers are easily grown from seed; they are best sown where they are intended to bloom.

**St. Brigid.** A really beautiful strain, producing a wonderful array of colors; blooms 10 months from seed. Semidouble and double mixed. **Pkt. 10c.**

**Coronaria.** (Poppy Anemone). Very showy single mixed colors. **Pkt. 10c.**

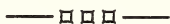
**ANTIRRHINUM.** See Snapdragon.

**AQUILEGIA.** See Columbine.

**ARABIS.** (p). (Rock Cress or Snow of the Mountains). Perennial, the earliest of the spring flowers. The spreading tufts are covered with a mass of white flowers; unequalled for rockeries and edgings; withstands drought.

## CHOICE FLOWER SEEDS (Continued)

- Alpina.** Single Pkt. 5c.  
**Alpina Grandiflora Superba.** Pkt. 10c.
- ROSEA.** (p). Rose pink. Pkt. 25c.
- ARMERIA FORMOSA.** (p). (Sea Pink). Hardy perennial, bearing rosy-pink flowers; fine for edging. Pkt. 10c.
- ARNEBA CORNUTA.** Annual, growing in bushy form. Beautiful flowers of rich primrose yellow, marked with five black spots; the spots gradually vanish. Two feet. Pkt. 10c.
- ARNICA MONTANA.** (p). Perennial of yellow fragrant flowers. Pkt. 10c.
- ARTEMISIA SACRORUM VIRIDIS.** (Summer Fir). Annual. Light and elegant finely cut foliage plant of graceful pyramidal habit. 4 to 5 ft. Pkt. 10c.
- ASCLEPIAS TUBEROSA.** (p). (Butterfly Weed). A most beautiful autumn flowering perennial with erect leafy stems, crowned with bright orange-red flowers. 2 to 3 ft. Pkt. 15c.
- ASPARAGUS.** (p). Half-hardy perennial, fern-like foliage plants.
- Plumosus Nanus.** Dwarf variety for pot or table decorations. Pkt. 10c.
- Sprengeri.** Suitable for hanging baskets. Pkt. 10c.
- ASPERULA ODORATA.** (p). (Woodruff). perennial; large sprays of sweet-scented minute white flowers. Pkt. 10c.
- BLUE ANNUAL.** Pkt. 5c.
- AUBRIETIA.** (p). A charming hardy rock or border plant, producing great masses of lovely flowers which make the garden so gay in springtime. A companion to White Arabis.
- Graeca.** Lovely blue; dwarf. Pkt. 15c.
- Bougainvillei.** Very showy dark blue; dwarf. Pkt. 25c.
- Leichtlinii.** Beautiful rosy - carmine; dwarf. Pkt. 25c.
- EYRII.** Large flowered, 6 inches. Blue. Pkt. 20c.



## ASTERS

Asters are one of the most important of summer and autumn flowers. Seeds sown in the open in April and May bloom in September and October. For July and August flowers, sow in hotbeds in March and April and transplant to open ground.

If center bud is pinched out of Asters as soon as it appears the remaining side stems will all produce large flowers as the center one would have been; they would all be inferior if allowed to remain.

- QUEEN OF THE MARKET.** The best early Aster, of spreading habit, about two weeks earlier than any other sort. 1 ft. Mixed. Pkt. 10c.
- GIANT COMET.** Superb class, with very large flowers and long petals.  
 Dark Blue, White to Rose, White, Purple, Malmaison pink, light blue, lavender, crimson, rose, or mixed. Pkt. 10c.
- IMPROVED GIANT CREGO.** The "Giant Crego" is distinct in every way, and its magnificent flowers, often 6 inches in diameter, are fully equal to chrysanthemums. White, Shell Pink, Rose, Purple, Lavender, Azure Blue, Crimson, Rose Pink or Mixed. Pkt. 10c.
- ASTER-MUM.** A selection from "Giant Comet." Of immense size, resembling Chrysanthemums in form, hence the name, "Aster-mum." Plants are about 2 feet high with good stems. Lavender, Rose, White or Mixed. Pkt. 10c.
- NEW CALIFORNIA GIANTS.** The Ostrich Feather type flower of immense size and beauty; their long and sturdy stems make them very attractive in floral work. Dark Purple, Deep Rose, Light Blue, Lavender, Peach Blossom or Mixed. Pkt. 15c.
- KING ASTERS.** Flowers large and double; petals more or less quilled, making them distinct from all others; about 18 inches. Shell Pink or Mixed. Pkt. 10c.
- AMERICAN BRANCHING.** A select strain of robust branching habit. Flowers large and double; 2 to 3 ft. Purple, White, Flesh Pink or Mixed. Pkt. 10c.
- NEW FANCY YELLOW.** This is considered the best yellow yet grown; it is fairly large and fully double. Pkt. 15c.
- GIANT CRIMSON.** Plants of upright growth bearing large, double, bright crimson flowers. Pkt. 15c.
- DAYBREAK.** A delicate silvery pink; flowers are large and ball-shaped and borne very profusely; erect robust habit. 2 feet. Pkt. 15c.
- BALL'S WHITE.** A splendid Giant Aster of branching habit; with full centered blossoms; medium early. Pkt. 15c.
- HEART OF FRANCE.** Rich dark red flowers of medium size; branching habit; about 2 feet high. Pkt. 15c.

## ASTERS (Continued)

**LAVENDER GEM.** The most charming early lavender; true Comet type. **Pkt. 15c.**

**SINGLE CHINA ASTERS.** (*Chinensis*). Large, single flowers carried on long stems; excellent for cutting; 18 inches. **Dark Blue, Lavender, White or Mixed. Pkt. 10c.**

**BALSAM.** (*Lady Slipper*). Tender annual, producing brilliant-colored double flowers in the greatest profusion; 18 inches. **Mixed. Pkt. 10c.**

**BEGONIAS.** For pot plants or bedding, remaining in a sheet of bloom many months of the year.

**Semperflorens Single Mixed.** This mixture contains wide range of colors. **Pkt. 15c.**

**Tuberous-Rooted Double Mixed.** A superb strain of choice varieties. **Pkt. 25c.**

**BOCCONIA CORDATA.** (p). (*Plume Poppy*). Hardy herbaceous perennial of stately habit, with finely cut ornamental greyish-green foliage; buff-colored flowers. **Pkt. 10c.**

**BROWALLIA ELATA.** Elegant half-hardy annual, flowers blue and white; foliage glossy green. **Pkt. 10c.**

**CALCEOLARIA.** *Hybrida Grandiflora* (*Pouchflower*). Fine mixed. 1½ ft. The gorgeous beauty of these flowers renders them indispensable for greenhouse decoration. It is not of easy culture, but a very desirable flower. Bears a large profusion of small, pocket-shaped flowers, many of which are beautifully tigered or spotted. **Pkt. 25c.**

**Rugosa Aurea.** The well-known golden yellow bedding variety. 12 inches tall. **Pkt. 35c.**

**Profusa Clibranii.** Small deep yellow flowers that bloom in profusion. **Pkt. 35c.**

**Scabiosifolia.** A free bloomer, fine canary yellow, dwarf compact. **Pkt. 35c.**

**CALENDULA.** (*Pot Marigold*). Showy, free-flowering hardy annuals, about one foot high. Flowers produced in great profusion, showing different shades of yellow and orange, or mixed. **Pkt. 5c.**

**Orange King.** Full double flowers of a rich and bright orange. **Pkt. 10c.**

**Lemon Queen.** Very large and extremely double; dark eye. **Pkt. 10c.**

**Meteor.** Large double; orange, broadly striped with creamy white, light center. **Pkt. 5c.**

**Ball's Orange Ball.** A new strain, preferred by florists. **Pkt. 20c.**

**PERENNIAL ASTER.** (*Michaelmas Daisies*). Single blue and lavender fall-flowering hardy plants. Large-flowered. **Lilac Blue or Mixed. Pkt. 10c.**

**50 CENTS buys any six 10-cent packets or any four 15-cent packets of the Finest American Asters.**

**CALLIOPSIS.** Showy, free-flowering annuals, blooming all summer; excellent for cutting and massing.

**Golden Wave.** (*Drummondii*). Rich, golden yellow with small chestnut-brown center; dwarf. **Pkt. 10c.**

**Golden King.** Rich golden yellow; dwarf. **Pkt. 10c.**

**Crimson King.** Rich, velvety crimson garnet; a fine dwarf sort; 9 inches. **Pkt. 10c.**

**Dwarf Mixed. Pkt. 5c.**

**Tall Mixed. Pkt. 5c.**

**CAMPANULA.** (b). (*Canterbury Bells*). A beautiful and well-known bell-shaped flower, perfectly hardy.

**Medium.** Single biennial of the old-fashioned sort in **White, Blue, Rose, Rosy-Carmine or Lilac. Pkt. 10c. Mixed, 5c.**

**Double Mixed.** All the double-flowering medium varieties. **Pkt. 10c.**

**Medium Calycanthema.** (*Cup and Saucer*). Cup and saucer shaped flowers; fine for pots and borders. In **Rose, White, Blue, Rosy-Carmine, Deep Lilac or Mixed. Pkt. 10c.**

**Carpatia.** (p). (*Carpathian Hair Bell*). A free-flowering hardy perennial, continuing to bloom the whole season; fine for edgings; 6 in. **Blue or White. Pkt. 10c.**

**Persicifolia Grandiflora.** (p). (*Peach Bell*). One of the finest of the hardy Bell-flowers. Color **Blue or White; 2 to 3 feet. Pkt. 15c.**

**Percifolia Grandiflora Double.** (p). About 50 per cent true double seed. **Blue. Pkt. 25c.**

**Pyramidalis.** (p). (*The Chimney Bell-flower*). A beautiful stately hardy plant. 4 to 5 ft. **Blue or White. Pkt. 15c.**

**Venus Looking Glass.** (*Speculum*). Pretty hardy annual of single blue flowers. **Pkt. 5c.**

**CANDYTUFT.** (*Iberis*). One of the best flowers for edging or rockeries. Some varieties are fragrant and all are profuse in bloom.

**Carmine.** Bright carmine Rose. **Pkt. 5c.**

**Empress.** Large trussess of pure white flowers. **Pkt. 10c.**

## CANDYTUFT (Continued)

**Giant Hyacinth-flowered.** Pure white, very large blooms. **Pkt. 10c.**

**Coronaria.** (Rocket Candytuft). Hardy annual; flowers in upright spikes; pure white. **Pkt. 5c.**

**Crimson.** The darkest and best strain. **Pkt. 5c.**

**Fragrant.** Small white flowers, very sweetly scented. **Pkt. 5c.**

**Rose Cardinal.** Deep rosy-red. **Pkt. 10c.**

**Lavender.** Delicate shades of rosy-lavender. **Pkt. 5c.**

**Little Prince.** Very dwarf, large white spikes. **Pkt. 10c.**

**Sempervirens.** (p). Hardy perennial; flowers form a sheet of whiteness in early spring; much used for cemeteries, rockeries, etc.; 1 foot. **Pkt. 10c.**

**Gibraltarica.** (p). Perennial variety, with large lilac flowers shading off to white; a splendid sort. **Pkt. 10c.**

**Rose.** (p). (Jucunda). A charming perennial variety of rose-pink. **Pkt. 25c.**

**Mixed Annual Sorts.** **Pkt. 5c.**

**CANNA.** (India Shot). Ornamental annuals; blooms first year if sown early; useful in groups and masses; height about four feet. Splendid mixed. **Pkt. 5c.**

**CARNATION.** (p). The richness of colors and delicious fragrance makes the Carnation a general favorite with all lovers of flowers. Indispensable for greenhouse culture in winter and the garden in summer.

**Marguerite.** The most popular variety with the amateurs as they bloom four months from seeding, producing an abundance of double long stems and highly scented flowers. Separate colors: **Yellow, Scarlet, Dark Red, Violet, White or Mixed.** **Pkt. 10c.**

**Giant or Malmaison Mixed.** **Pkt. 15c.**

**Chaubaud's Everblooming.** Blooms in five months after being sown and continues to flower in the greatest profusion indefinitely. **Rose Queen, Scarlet or White.** **Pkt. 20c. French Mixed, Pkt. 15c.**

**Hardy Border.** A good hardy strain, flowering the second season; producing a mass of flowers in a great variety of colors. Double mixed. **Pkt. 15c.**

**Grenadin.** Dwarf and compact, valuable for borders and cutting; perfectly hardy in **Darkest Red, White or Scarlet.** **Pkt. 15c.**

**Triumph.** Semi-dwarf hardy border variety of beautiful rose shades. **Pkt. 15c.**

**CASTOR OIL BEAN.** (Ricinus). Ornamental foliage plants with bright colored

fruits; also prevent moles from working in the ground; 3 to 5 feet. Mixed. **Pkt. 5c.**

**Zanzibariensis.** Very large sorts. **Pkt. 10c.**

**CATANANCHE COERULEA.** (p). A perennial border plant; blue flowers, suitable for cutting in July and August; 2 feet. **Pkt. 5c.**

**CELOSIA.** (Cockscomb). Free blooming annual; makes a grand border plant, and attractive for pots.

**Cristata.** (Cockscomb). Producing comb-like heads; 1 ft. Mixed. **Pkt. 10c.**

**Thompsoni.** A choice strain of pyramidal growth; with feathery plumes of clear yellow to deep red. 3 ft. Mixed. **Pkt. 5c.**

**Pyramidalis Plumosa.** Feathered crimson plumes. **Pkt. 5c.**

**Chinese Woolflower.** (Childsi). An interesting novelty bearing on its branches a ball of wool-like heads until late autumn. **Crimson, Salmon Pink or Yellow.** **Pkt. 15c.**

**CENTAUREA.** Known as Bachelor's Button, Blue Bottle, Ragged Sailor, Sweet Sultans, etc. Great favorites in all sections of the country; fine as cut flowers. They usually re-seed themselves year after year.

**Bachelor's Button.** Single. **Deep Blue or Mixed.** **Pkt. 5c.**

**Double Varieties.** **Blue, Rose or Mixed.** **Pkt. 10c.**

**Dwarf Victoria.** Blue; fine for edging. 9 inches. **Pkt. 10c.**

**Montana.** (p). A handsome, hardy perennial Cornflower with large flowers coming into bloom in the early summer; 2 feet. **Blue or White.** **Pkt. 10c.**

**Americana.** Beautiful flowers; 4 inches in diameter. 2 ft. **Blue or White.** **Pkt. 10c.**

**Sweet Sultans — Imperialis.** Beautiful sweet-scented artistic-shaped flowers. **Brilliant Rose, Deep Purple, Lavender, White or Mixed.** **Pkt. 10c.**

**Moschata Rose.** Excellent. **Pkt. 10c.**

**Sauveolens.** Yellow; very showy. **Pkt. 10c.**

**Odorato.** A popular sweetly scented variety. **Chameleon-Yellow and Rose or Mixed.** **Pkt. 10c.**

**Candissima.** (p). (Dusty Miller). Half hardy perennial; broad silvery-white foliage. 1 foot. **Pkt. 10c.**

**Gymnocarpa.** (p). (Dusty Miller). Narrow silvery foliage; suitable for bedding. Half-hardy perennial; 1 foot. **Pkt. 10c.**

**CENTRANTHUS MACROSIPHON.** Attractive and free-blooming hardy annual with large heads of bright red flowers. 1 foot. **Pkt. 5c.**

**CERASTIUM.** See Snow in Summer.

**CHEIRANTHUS KEWENSIS.** (p). (Winter blooming Wallflower). Perennial, lovely fragrant flowers; sulphur passing to golden and purple violet; blooms from November till spring. **Pkt. 15c.**

**Allionii.** (p). (Siberian Wallflower). Early flowering with gorgeous orange flowers; charming in the dwarf borders and in rockeries; continues in bloom the whole season if seed-pods are removed; 9 to 12 inches. **Pkt. 10c.**

**CHELONE BARBATAS HYBRIDA.** (p). (Turtle Head). Hardy perennial of Pentstemon-like habit, producing long racemes of rosy scarlet flowers, blooming in July and August. 3 feet. **Pkt. 10c.**

**CHRYSANTHEMUMS.** Showy and effective garden favorites. Annual varieties, bloom from early summer until frost.

**Carinatum.** A fine double variety of annuals. **Choice Mixed, Pkt. 5c.**

**Single Annuals.** Comprising a wide range of charming colors. **Mixed, Pkt. 5c.**

**Burridgeanum.** Beautiful flowers, banded with crimson, white and yellow. **Pkt. 5c.**

**Morning Star.** Large single flowers of soft yellow or primrose; annual. **Pkt. 5c.**

**California Fantasies.** (p). Perennial varieties, all sorts, splendid mixture. **Pkt. 15c.**

**Double Early-Flowering.** (p). A new perennial, in a large range of colors. Easily grown from seed. **Pkt. 25c.**

**Hardy Pompon.** (p). A fine strain of the old-fashioned hardy fall-flowering sorts, with double button-like flowers. **Mixed, Pkt. 15c.**

**CINERARIA HYBRIDA GRANDIFLORA** (b). A beautiful flowering plant for the house or conservatory. Dwarf, compact habit, with immense heads. **Mixed, Pkt. 35c**

**CLARKIA.** A pretty and easily grown annual; blooms from July to October; 1 to 2 feet high. The flowers are borne all along the stems and resemble the carnation to some extent. **Double Apple Blossom, Carmine, Brilliant Salmon, Purple Prince, Ruby Red, or Scarlet Beauty, Pkt. 10c. Double Mixed, Pkt. 5c.**

**CLEOME GIGANTEA.** (Giant Spider Flower). A striking annual for large beds or interspersing in the shrubbery border; well branched, each branch terminated by a large head of bright rosy carmine flowers; 3½ feet. **Pkt. 10c.**

**COLEUS.** Most attractive and novel foliage plants for house or garden culture. Easily raised from seed.

**Large-Leaved Mixed.** Large and superbly variegated foliage; rich and choice strain. **Pkt. 25c.**

**Mixed Colors.** A splendid collection. **Pkt. 15c.**

**COLLINSIA.** Hardy annual of bright colors; exceedingly active in clumps. Blooms early and prefers a dry situation. 18 inches. **Pkt. 5c.**

**COLUMBINE.** (p). (Aquilegia). Magnificent perennials, producing graceful spurred flowers on stems 2 to 3 feet high.

**Coerulea.** (Rocky Mountain Columbine). Violet-blue and white, 2 feet. **Pkt. 10c.**

**Coerulea Hybrida Rose Queen.** Beautiful rose shades with white. **Pkt. 15c.**

**Coerula Hybrida Delicatissima.** Rose and yellow; very attractive. **Pkt. 15c.**

**Coerulea Candidissima.** Large, snowy white; beautiful variety. **Pkt. 10c.**

**Coerulea Hybrida.** Long-spurred superb mixture. **Pkt. 10c.**

**California Hybrida.** Large yellow flowers with long orange colored spurs. **Pkt. 10c.**

**California Hybrida fl. Pleno.** New double golden yellow, long red spurs. **Pkt. 10c.**

**Chrysantha fl. Pleno.** Rich double golden yellow flowers; long spurred. **Pkt. 10c.**

**Glandulosa.** (Major). Large dark blue flowers. **Pkt. 10c.**

**Vulgaris Fl. Pl. Alba.** An elegant double pure white. **Pkt. 10c.**

**Skinneri.** Attractive bright crimson and gold long-spurred flowers. **Pkt. 10c.**

**Hybrida Vernalis.** Early flowering hybrids mixed single and semi-double, partly long-spurred flowers. **Pkt. 10c.**

**COREOPSIS, LACEOLATA GRANDIFLORA.** Perennial; with large showy bright yellow flowers produced in great abundance; much used for cutting purposes; will bloom the first season if sown early. 2 ft. **Pkt. 10c.**

**COSMOS.** Extra early. A strong growing annual, covered with large single flowers in great abundance from July until frost. Fine feathery foliage. **Crimson, Pink or White, Pkt. 10c. Mixed, Pkt. 5c.**

**New Double Crested.** Plants are similar in habit to the above. The flowers vary in their degree of doubleness, which gives them a very dainty appearance. **Crimson, Pink, Orange, White or Mixed, Pkt. 20c.**

**CRUCIANELLA STYLOSA.** (p). Early flowering perennial, suitable for rock-work; flowers light red. Six inches. **Pkt. 5c.**

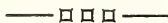
**CUPHEA MINIATA, NEW HYBRIDS.**

Useful bedding annual; profusion of flowers in mixed colors; green foliage. One foot. **Pkt. 10c.**

**CYCLAMEN PERSICUM.** (p). A charming house plant with beautiful foliage and rich colored flowers; tender perennial. **Mixed. Pkt. 25c.**

**Butterfly.** (Papilio). Beautifully fringed flowers. **Mixed. Pkt. 25c.**

**CYNOGLOSSUM AMABILE** (b) (Hounds Tongue). Biennial, producing large sprays of brilliant blue Forget-Me-Not-like flowers; blooms continuous from June to Sept. 2 feet. **Pkt. 10c.**

**CLIMBERS**

**ABRUS PRECATORIUS.** (Weather Plant). Interesting climber of light purple flowers, followed by pods with brilliant red seeds used for making chains. Soak the seed in lukewarm water before planting. The leaves are affected by weather conditions. 10 feet. **Pkt. 10c.**

**ADALUMA CIRRHOSA.** (b). (Alleghany Vine or Mountain Fringe). A graceful, hardy biennial, but reseeds itself year after year. The feathery foliage closely resembles that of the Maidenhair Fern. Flowers tube-shaped, flesh-colored, somewhat like the Bleeding Heart. **Pkt. 15c.**

**AMPELOPSIS VEITCHI.** (p). (Boston or Japanese Ivy). A perennial climber. The best and most popular climber for covering brick or stone walls. **Pkt. 10c.**

**Quinquifolia.** (p). (Virginia Creeper). A sturdy perennial vine; fine for covering fences and porches; leaves turning to autumn colors in the fall. **Pkt. 10c.**

**BALLOON VINE.** *Cardiospermum*. (Love in a Puff). A rapid growing annual climber; seed vessels look like miniature balloons; flowers white. **Pkt. 5c.**

**CALAMPELIS SCRABRA.** (*Eccremocarpos*). An interesting slender annual of deep orange; tube-shaped flowers. Plant in sunny situation. **Pkt. 10c.**

**CANARY BIRD VINE.** (*Tropaeolum Canariense*). A beautiful annual climber of rapid growth, with charming canary colored blossoms with its wings resembling a bird half expanded. **Pkt. 5c.**

**CARDINAL CLIMBER.** Annual climber of beautiful fern-like foliage and brilliant cardinal flowers. **Pkt. 10c.**

**CLEMATIS HYBRIDA.** (p). Seedling Clematis are extremely vigorous in growth and remarkable shades. **Pkt. 35c.**

**COBEA SCANDENS.** A rapid growing annual climber with pretty purple bell-shaped flowers in great profusion during the fall months. **Pkt. 10c.**

**CYPRESS VINE.** (*Ipomoea Quamoclit*). A popular annual climber with delicate fern-like foliage and small star-shaped scarlet flowers; 10 feet high. **Pkt. 5c.**

**DOLICHOS.** (*Hyacinth Bean*). A rapid growing annual climber, flowering freely in erect racemes, followed by ornamental seed pods, in **Purple-Violet or Mixed. Pkt. 5c.**

**GOURDS.** Annuals of very rapid growth with curious fruits and ornamental foliage. Large sorts mixed. **Pkt. 5c.**

**HUMULUS JAPONICUS VARIGATUS.** (*Japanese Hop*). Annual, 15 to 20 feet. Leaves variegated with white; very ornamental. **Pkt. 5c.**

**KUDZU VINE.** (p). (*Pueraria Thunbergiana*). Beautiful Japanese climber; hardy perennial, with large foliage and small fragrant, purplish-violet, Wisteria-like flowers. It will grow 8 to 10 feet the first year from seed. **Pkt. 10c.**

**MAURANDA.** A half-hardy, rapid growing slender climber; flowering the first season if sown early. Mixed colors. **Pkt. 10c.**

**MOON FLOWER.** (*Ipomoea Grandiflora*). The white Moon Flower; the plants are covered with fragrant flowers, 5 to 6 inches in diameter at night. **Pkt. 10c.**

**MORNING GLORY.** (*Ipomoea*). Climbers of rapid growth, with beautiful and varied flowers.

**Convolvulus Major.** A tall variety of Morning Glory. **Dark Blue or Mixed. Pkt. 5c.**

**Double Flowering.** Climbers; flowers are double and semi-double. **Pkt. 10c.**

**Imperial Japanese.** (*Ipomoea Imperialis*). The largest and most handsome of all Morning Glories; fine mixed. **Pkt. 10c.**

**Brazilian Morning Glory.** (*Ipomoea Setosa*). A quick growing vine with large rose-colored flowers. **Pkt. 10c.**

**PASSION FLOWER** (p). (*Coerulea Grandiflora*). Perennial climber, 15 to 20 feet, bearing a profusion of attractive blue flowers. **Pkt. 10c.**

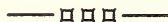
**SCARLET RUNNER BEANS.** Of strong, quick growth; bearing large sprays of bright scarlet, pea-like flowers. **Pkt. 10c.**

**THUNBERGIA ALATA** (*Black-eyed Susan*). Slender growing, rapid climber, preferring sunny situation; used extensively.

## CLIMBERS (Continued)

in hanging baskets, low fences, etc.; flowers in white, buff, orange, etc., with dark eyes. **Mixed. Pkt. 5c.**

**WILD CUCUMBER.** (*Echinocystis Lobata*). One of the quickest growing annual vines we know of. **Pkt. 5c; oz. 25c.**



## DAISY COLLECTION

**AGATHEA COELESTRIS** (p). (Blue Marguerite Daisy). A tender perennial, producing pretty pale blue daisy-like flowers; excellent pot plant or for window boxes. 18 inches. **Pkt. 10c.**

**ANTHEMIS KELWAYI**. (p). (Hardy Marguerite Daisy). A hardy perennial, bearing all summer daisy-like golden-yellow blossoms; fine for cutting. 2 ft. **Pkt. 10c.**

**ARCOTIS GRANDIS**. (African Daisy). A remarkably handsome hardy annual; easy to grow and always in bloom in bright sunshine; flowers pure white, shaded pale lilac-blue. 2 to 3 feet. **Pkt. 5c.**

**SINGLE CHINA ASTERS**. Large single daisy-like flowers, carried on long stems; excellent for cutting. 18 inches. **Dark Blue, Lavender, White or Mixed. Pkt. 10c.**

**PERENNIAL ASTER**. (Michaelmas Daisies). Single fall-flowering hardy plants, thriving in any good soil. **Lilac, Blue or Mixed. Pkt. 10c.**

**BELLIS**. (p). (Double Daisy). The poet's favorite; hardy perennial; blooms the first year from seed.

**Longfellow**. Double pink; very showy. **Pkt. 10c.**

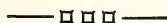
**Double Red. Pkt. 20c. Finest Mixed. Pkt. 10c.**

**Double Quilled**. Double quilled flowers in mixture, containing red, pink and white. **Pkt. 20c.**

**Monstrosa**. The new double Giant Daisies; remarkably fine. Separate colors. **Red, Rose, White or Mixed. Pkt. 20c.**

**Monstrosa Quilled**. Giant dark red; quilled. **Pkt. 20c.**

**BRACHYCOMBE**. (Swan River Daisy). A freeflowering dwarf growing annual, suitable for edging or pit culture. **Mixed. Pkt. 5c.**



**DAHLIA**—Perennial, flowering the first season from seed. Well-known plants with large, showy flowers.

**Cactus**—Mixed colors. **Pkt., 20c.**

**Decorative**—Are an intermediate form between the Show and Cactus types. **Mixed. Pkt. 25c.**

**CHRYSANthemum MAXIMUM**. (p). (Moonpenny Daisy). Perennial. Purest white single flowers of extraordinary size; free flowering; excellent for cutting. **Pkt. 10c.**

**Chrysanthemum, Morning Star**. Large single flowers of soft yellow; annual. **Pkt. 5c.**

**DIMORPHOTHECA AURANTIACA**. (African Golden Daisy). A showy annual of bushy habit, 12 to 15 inches high; a free bloomer. A glossy orange gold with dark-colored disc. **Pkt. 10c.**

**Hybrida**. Similar in habit to the above, but vary in color from white through the various shades of yellow and orange to rich salmon. **Pkt. 10c.**

**ERIGERON** (P)—Perennial of daisy-like flowers.

**Speciosus Hybridus Grandiflora**—Large clear pale mauve flowers with bright golden centers. 2 to 3 feet. **Pkt., 10c.**

**Multiradiatus Roseus**—Rose shade; very graceful. **Pkt., 15c.**

**LEPTOSYNE STILLMANII**—Annual of golden-yellow flowers; blooms six weeks after sowing; fine for cutting; 18 inches. **Pkt., 10c.**

**PYRETHRUM ROSEUM HYBRIDUM GRANDIFLORUM** (P)—Perennial; large daisy-like flowers; fine for cut flowers. **Red shades or mixed. Pkt., 15c.**

**SHASTA ALASKA DAISY** (P)—A splendid hardy perennial variety with flowers rarely less than 5 inches across of the purest glistening white. **Pkt., 10c.**

**SHASTA CALIFORNIA DAISY**—Perennial of large, creamy yellow flowers. **Pkt., 10c.**

**SHASTA VERNALE** (P) (Spring Marguerite)—Early-flowering Marguerite of good shape and size. **Pkt., 10c.**

**Collerette**—A novel type, having a row of petals around the disc like a frill or collar, which is of a different color to the regular petals. **Mixed colors. Pkt., 10c.**

**Peony-flowered**—Mammoth semi-double Peony-like flowers. **Mixed. Pkt., 15c.**

**DATURA FASTUOSA HUBERIANA** fl. pl. (Trumpet Flower)—Ornamental annual with large double and showy flowers; handsome plants, 2 to 3 feet high. Mixed. Pkt., 5c.

**DELPHINIUM** (P) (Perennial Larkspur)—Furnish our gardens with flowers of striking beauty in form and color. Delphiniums are extremely valuable during the early months of summer.

**Gold Medal Hybridum**—Extremely large flowers in all the richest shades of blue. Pkt., 10c.

**Belladonna**—The freest and most continuous blooming hardy Larkspur; flowers are of clear turquoise blue; 3 feet. Pkt. 15c.

**Bellamosum**—A rich, deep blue form of the popular light blue Belladonna. Pkt., 15c.

**Formosum**—Beautiful spikes of rich blue flowers; fine species; 2½ feet. Pkt. 15c.

**Zalil**—Long yellow spikes. Pkt., 35c.

**Blue Butterfly**—Large blossoms of intense gentian-blue; fine foliage; 18 inches. Pkt., 10c.

**Cardinal**—Brilliant scarlet. 3 to 5 feet. Pkt., 10c.

**Kelways Hybrids**—A choice strain of mixed colors. Pkt., 10c.

**Fanny Stormouth**. Lovely light azure blue. 5 ft. Pkt. 15c.

**DIANTHUS**—See Pinks.

**DIASCIA BARBERAE**—Annual; pretty pink coral-like flowers, freely produced on long stems during the whole summer; excellent for dwarf borders and cutting; 9 inches. Pkt., 10c.

**DIGITALIS** (P) (Foxglove)—Hardy perennial, highly ornamental with flower stalks 2 to 5 feet long covered with thimble-shaped blossoms. Rose or Mixed. Pkt., 5c.

**Monrosa** (Mammoth Foxglove)—Long spikes surrounded by one enormous flower. Very odd. Mixed. Pkt., 10c.

**Hybrida Lutz**—A new perennial Digitalis of salmon shades. Pkt., 10c.

**Giant Yellow**—Large flowers of rich cream. Pkt., 10c.

**The Shirley**—A new strain of enormous flowers ranging from white to deepest rose; handsomely spotted. 5 to 7 feet. Pkt., 10c.

**Gloxiniflora Mixed**—Beautifully spotted flowers in many different colors. Pkt., 5c.

**ECHINOPS RITO** (P) (Globe Thistle)—Hardy perennial, round heads of steel-blue flowers in July and August. 3 to 5 feet. Pkt., 10c.

**ECHIUM**—Continuous blooming hardy annual. Fine for bees. 18 inches.

**Plantagineum**—Flowers open rose and change to purple. Pkt., 5c.

**Criticum**—Scarlet. Pkt., 5c.

**EDELWEISS** (P) (Leontopodium Alpinum)—A favorite among the perennial varieties because of its interesting bluish-white attractive flowers; 6 inches. Pkt., 15c.

**EPILOBIUM ANGUSTIFOLIUM** (P)—Excellent perennial for groups in the wild flower garden; flowers bright rose, in long, loose sprays. 3 feet. Pkt., 10c.

**ERIGERON** (P) (Fleabane)—Perennial of daisy-like flowers.

**Speciosus Hybridus Grandiflora** (The Midsummer Daisy)—Large, clear, pale mauve flowers with bright golden centers. 2 to 3 feet. Pkt., 10c.

**Multiradiatus Roseus**—Rose shades; very graceful. Pkt., 15c.

**ERYNGIUM AMETHYSTINUM** (P) (Sea Holly)—Perennial, with finely cut foliage and the small, beautiful thistle-like heads of glistening amethystine blue, are produced from July to September; 2 to 3 feet. Pkt., 10c.

**ESCHSCHOLTZIA** (California Poppy)—Very attractive annuals for beds or masses; fine cut, glaucous foliage. Very free flowering. One foot high.

**Aurantiaca**—Rich golden orange. Pkt., 5c.

**Crimson**—Carmine crimson. Pkt., 10c.

**Golden West**—Orange-colored blossoms; shading to canary yellow at the edges; very large. Pkt., 5c.

**Geisha**—Bright scarlet on the outside, inside rich golden orange. Pkt., 10c.

**Vesuvius**—Rich wallflower or coppery red. Pkt., 10c.

**Rosy Queen**—A beautiful soft flesh pink; petals fluted. Pkt., 10c.

**Chrome Queen**—A rich chrome yellow suffused apricot. Pkt., 10c.

**Purple Glow**—A bright reddish-purple shade. Pkt., 10c.

**Scarlet Beauty**—A striking color of vivid deep even scarlet. Pkt., 10c.

**New Hybrids Mixed**—New brilliant colors. Pkt., 10c.

**Mixed**—All colors. Pkt., 5c.

**EVERLASTING**—See Straw Flowers.

**EUPHORBIA**—Strong growing annuals, suitable for beds of tall growing plants.

**Variegata** (Snow on the Mountain)—Attractive foliage; veined and margined white. 2 feet. **Pkt., 10c.**

**Heterophylla** (Mexican Fire Bush)—Resembling in habit and color the hot-house poinsettia. About mid-summer the center top leaves of each branch turn orange scarlet. 2 to 3 feet. **Pkt., 10c.**

**FEVERFEW** (P) (*Matricaria Capensis* fl. pl.)—Neat, small double white flowers, well adapted for bedding and cutting; perennial, 1½ ft. **Pkt., 5c.**

**Golden Ball**—Perennial; fine for pots and edgings. **Pkt., 10c.**

**FORGET-ME-NOT** (*Myosotis*)—Beautiful little plants with star-like flowers, succeeding best in a shady, moist situation.

**Alpestris**—Rich indigo-blue flowers; will flower first season. **Pkt., 10c.**

**Victoria**—Biennial; large bright azure blue, with yellow centers; plants bushy and compact. **Pkt., 10c.**

**Ruth Fischer**—Large blue flowers; compact habit; excellent for edgings and as a pot plant. **Pkt., 15c.**

**Dissitiflora**—Large flowered early strain; valuable to form groundwork for spring bulbs. **Pkt., 10c.**

**Palustris Semperflorens**—An everblooming variety; large, blue flowers. **Pkt. 10c.**

**Alpestris Rose**—Pkt., 10c. Mixed Varieties, **Pkt., 5c.**

**FOUR O'CLOCKS** (P) (*Marvel of Peru*)—A garden favorite, handsome and free flowering; 2 feet. **Mixed, Pkt., 5c.**

**FUCHSIA HYBRIDA**—Carefully saved from the finest single and double varieties. **Mixed. Pkt., 35c.**

**GAILLARDIA**—Showy and free bloomers; fine for bouquets or for house decoration. **Sanguinea** (P)—Perennial; a striking shade of red-showing very little yellow. **Pkt., 10c.**

**Grandiflora Semiplena** (P)—Superb large blooming perennial varieties. **Mixed. Pkt., 10c.**

**Picta**—A favorite strain of single sorts. **Pkt., 5c.**

**Double Flowering Mixed**—A charming double strain of mixed colors. **Pkt., 10c.**

**GAURA LINDHEIMERI**—Useful hardy annual, producing long graceful sprays of white flowers for cutting from July to late autumn. 2 feet. **Pkt., 5c.**

**GAZANIA SPLENDENS HYBRIDA GRANDIFLORA**—Tender annual of extra large daisy-like flowers in canary-yellow and bright orange shades. Excellent for pots and sunny borders. **Pkt., 30c.**

**GENTIANA ACAULIS** (P)—A useful, hardy perennial for rockwork and edgings; rich dark blue trumpet-shaped flowers; 4 inches. **Pkt., 10c.**

**GERANIUM** (P) (*Zonale*, "Good Venture")—A superb strain of the finest varieties; very interesting to grow from seed. Choice single mixed. **Pkt., 15c.**

**GERBERA JAMESONII HYBRIDA** (*Transvaal Daisy*)—Daisy-like flowers ranging in color from bright red, flesh pink to creamy-yellow and white. May be grown as a perennial in sunny positions, slightly protected in winter. 15 inches. **Pkt., 25c.**

**GEUM, Mrs. Bradshaw** (P)—Undoubtedly the finest *Geum* produced. The flowers are large and full, of a beautiful orange scarlet color, blooming from April to September. Perennial. 18 inches high **Pkt., 15c.**

**Lady Stratheden** (P)—Fine rich double golden yellow flowers, which match in other respects the popular *Mrs. Bradshaw*; 18 inches. **Pkt., 35c.**

**Heldreichii** (P)—Perennial of large orange flowers; very free flowering. 18 inches. **Pkt., 15c.**

**GILIA**—Free flowering annual of small flowers; fine for rockwork. **Mixed. Pkt., 5c.**

**GLOBULARIA TRICHOSANTHA** (P)—Dwarf Alpine perennial, suitable for rockery; small, globe-shaped blue flowers on long stems; dark green foliage. **Pkt., 10c.**

**GLAUCIUM, BURBANK'S HYBRIDS** (P)—Perennial, beautiful large flowers of mixed colors. **Pkt., 5c.**

**GLOXINIA GIGANTEA**—Magnificent house-blooming plants, with large bell-shaped flowers of the richest colors. A superb class. 1 ft. **Pkt. 50c.**

**GODETIA**—Attractive free-blooming hardy annuals. The plants bloom profusely and bear flowers of satiny textures of the most delicate and lovely colors. They do best in rather poor soil.

**Double Godetia**—Of distinct and graceful habit, producing long sprays of beauti-

- ful large double flowers. **Crimson, Lilac, Rose Queen or White. Pkt., 10c.**
- Crimson Glow**—Intense glowing crimson; compact habit. **Pkt., 10c.**
- Aurora**—Beautiful delicate rose; compact habit. **Pkt., 10c.**
- Duchess of Albany**—Satiny white, of compact growth. **Pkt., 5c.**
- The Bride**—White and crimson; very showy. **Pkt., 5c.**
- Brilliant**—Glowing satiny rose. **Pkt., 5c.**
- Gloriosa**—Large satiny, brilliant blood-red flowers of dwarf habit. **Pkt., 10c.**
- Rosamund**—Vivid rose; compact habit. **Pkt., 10c.**
- Semi-dwarf Mixed**—Finest varieties. **Pkt., 5c.**
- GRASSES**—Ornamental grasses can be used for the decorative effects in flower garden and bouquets.
- Job's Tears** (*Coix Lachrymae*)—Broad, corn-like leaves and hard, shining, pearly seeds; annual. **Pkt., 5c.**
- Pampas Grass** (*Gynerium Argenteum*)—White silvery plumes; perennials, blooms the second season. **Pkt., 10c.**
- Agrostis Nebulosa**—An airy and graceful sort, and looks like a line of mist when in bloom. 18 inches. **Pkt., 10c.**
- Stipa Pennata** (P) (Feather Grass)—Perennial, delicate white, feathery blooms. If intended for bouquets, should be cut before maturity. **Pkt., 10c.**
- Zea Japonica** (Japanese Maize)—Long, narrow, green, variegated foliage, **Pkt., 10c.**
- GREVILLIA ROBUSTA** (Silk Oak)—Beautiful greenhouse shrub, with fern-like foliage. Excellent for table decorations. **Pkt., 10c.**
- GYPSOPHILA** (Baby Breath)—Pretty free blooming plants, succeeding in any garden soil. Their misty white panicles of bloom are used for mixing with other cut flowers.
- Elegans Grandiflora**—Pure white hardy annuals; 2 feet. **Pkt., 5c; 1 oz., 35c.**
- Elegans Carmea**—Pink annual. **Pkt., 5c.**
- Elegans Crimson**—A new rich crimson colored variety. **Pkt., 10c.**
- Paniculata** (P)—Hardy perennial, white flowers; a favorite for bouquets. **Pkt. 5c.**
- Paniculata fl. pl.** (P)—The new double flowering and one of the finest hardy plants. **Pkt., 20c.**
- Repens** (P)—A pretty dwarf trailing species for the rockery; a continuous bloomer of pinkish white flowers. **Pkt., 10c.**
- Acutifolia** (P)—Perennial, rose flowered. **Pkt., 10c.**
- HELIANTHEMUM MUTABILE** (Sun Rose)—Exceedingly pretty, low-growing evergreen perennial, quite hidden by a mass of bloom during July and September; suitable for rockeries, borders and dry, sunny banks. **Mixed. Pkt., 10c.**
- HELIANTHUS** (Sunflower)—Annuals, 2 to 6 feet high, fine for backgrounds or along fences.
- Chrysanthemum-flowered**—Rich golden-yellow flowers, perfectly double. **Pkt. 5c.**
- Red Sunflower**—A rich bronzy-red; single flowers. **Pkt., 5c.**
- Lilliput** (*Cucumerifolius Nanus*)—Dwarf rich single flowers. **Pkt., 5c.**
- Rigidus** (P)—Perennial, single yellow flowers with dark centers. 5 feet. **Pkt., 15c**
- Perennial Mixed**—Fine single flowering sorts. **Pkt., 10c.**
- HELIOPSIS PUTCHERIANA** (P)—Hardy herbaceous perennial of deep golden-yellow flowers; valuable for cutting. 3 to 4 feet. **Pkt., 10c.**
- HELIOTROPE, QUEEN MARGUERITE**—Of robust growth and produces very large heads of dark blue flowers. **Pkt. 10c.**
- HELLEBORUS HYBRIDUS** (P) (Christmas Rose)—Perennial; blooms in the depth of winter; charming flowers of the best mixture; 9 inches. **Pkt., 15c.**
- HEMEROCALLIS MIDDENDORFII** (P) (Day Lilies)—Perennial. Narrow grass-like foliage; golden yellow flowers with long tubes, 3 to 5 inches a head and quite fragrant; any garden soil, moist and loamy preferable, and should be left undisturbed. **Pkt., 15c.**
- HESPERIS** (P) (Sweet Rocket)—A hardy perennial of easy culture bearing spikes of showy fragrant flowers. Excellent for planting among shrubbery or permanent borders; 2 to 3 feet. **White or Purple. Pkt., 5c.**
- Nana Candidissima** (P)—True pure white, compact, early free-flowering. **Pkt., 10c.**
- HEUCHERA SANGUINEA** (P) (Coral Bells or Alum Root)—Charming hardy perennial for rockeries and borders; foliage dwarf and compact, above which rise numerous graceful panicles of flowers; excellent for cutting; blooming in June; 18 inches. **Crimson or Rose. Pkt., 15c Hybrid Mixed, Pkt., 10c.**
- HIBISCUS, NEW GIANT** (Marshmallow)—Perennial; a wonderfully improved form of the marshmallow; flowers of enormous size; blooming from early July until late

autumn. The colorings comprise rich dark red, soft pink and white. 5 to 8 feet high. **Pkt., 10c.**

**HOLLYHOCK (P)**—One of the most majestic hardy plants. Although a perennial we advise sowing the seed every year, as the young plants give the best flowers; fine for background next to a building or high fence.

**Chater's Strain**—Magnificent long spikes of double flowers. **Rose, Salmon Rose, Apricot, Newport Pink, Golden Yellow, Dark Scarlet, Scarlet, White or Purplish Violet. Pkt., 15c. Mixed colors, Pkt., 10c.**

**Single Mixed**—Everblooming single annuals. **Pkt., 10c.**

**Double Mixed.** Double annual varieties. **Pkt., 10c.**

**HUNNEMANNIA FUMARIAE FOLIA** (Giant Yellow Tulip Poppy)—Annual; fine for cutting, remaining in good condition for several days; golden yellow flowers; 2 feet. **Pkt., 10c.**

**HYACINTHUS CANDICANS**—Perennial, white Yucca-like flowers, very decorative. 3 to 5 feet. **Pkt., 10c.**

**HYPERICUM ELEGANS (P)** (St. John's Wort)—Shrub-like perennial of dark green foliage and bright yellow flowers; suitable for shady places. **Pkt., 10c.**

**ICE PLANT**—See *Mesembrianthemum*.

**IMPATIENS HOLSTII HYBRIDA**—Tender perennial, producing bright, waxy-looking flowers profusely and almost continuously; valuable for pot culture and for bedding. 2 feet. **Mixed. Pkt., 25c.**

**IRIS KAEMPFERI** (Japanese Iris)—These seeds have been saved from unrivalled collections; blooms the second year from seed. **Pkt., 10c.**

**ISATIS GLAUCA (P)**—A new perennial of bright yellow flowers borne in profusion; silvery-gray foliage. **Pkt., 10c.**

**KAULFUSSIA AMELLOIDES**—An excellent hardy annual of blue flowers, for edgings. 6 inches. **Pkt., 10c.**

**KENILWORTH IVY (P)** (*Linaria Cymbalaria*)—Hardy perennial, a charming trailing plant; suitable for rockwork, vases, etc. **Pkt., 10c.**

**KOCHIA TRICHOPHYLLA** (Summer Cypress)—Annual; form highly decorative bushes; foliage green, turning to fiery red in autumn. **Pkt., 5c.**

**LANTANA HYBRIDA**—Half hardy perennial plant with Verbena-like heads, constantly in bloom. **Mixed. Pkt., 10c.**

**LARKSPUR**—Hardy annuals of easy culture, with a wide range of colors; very showy; makes fine cut flowers.

**Dwarf Rocket**—Dwarf in habit; flowers produced in dense spikes; fine for bedding. 1 foot. **Apple Blossom, Azure Blue, Dark Blue or Rose. Pkt., 10c. Mixed, Pkt., 5c.**

**Double Stock Flowered**—Fine variety, with splendid spikes of beautiful double flowers;  $2\frac{1}{2}$  to 3 feet. **Dark Blue, Rose, Rosy Scarlet, Lustrous Carmine, Lilac or White. Pkt., 10c. Mixed, Pkt., 5c.**

**Perennial Larkspur**—See *Delphinium*s.

**LEPTOSIPHON HYBRIDUS MIXED**—Free flowering, hardy annual, thickly studded with charming bright flowers of various colors; adapted for edgings and rockwork; 3 inches. **Pkt., 10c.**

**LIMNANTHES DOUGLESII**—Free flowering and delicately fragrant hardy annual; yellow and white flowers. Valuable for spring gardening and for bees. Six inches. **Pkt., 10c.**

**LINARIA BIPARTITA**—Hardy annual producing varied and beautiful flowers resembling miniature *Antirrhinum*s; fine for bouquets; 9 to 12 inches. **Mixed. Pkt., 10c.**

**Macedonica (P)**—Perennial, blooming the first year from seed. Long spikes of beautiful citron-yellow flowers, produced in abundance. **Pkt., 10c.**

**Cymbalaria**—See *Kenilworth Ivy*.

**LINUM** (Flowering Flax)—One of the most effective and showy bedding plants having fine foliage and delicate stems; free flowering.

**Grandiflorum**—Elegant, free-flowering, hardy annuals of brilliant colors. 1 foot. **Crimson or Rich Rose. Pkt., 5c.**

**Perenne (P)**—Perennial flax, very showy, 18 inches. **Blue or White. Pkt., 5c.**

**LOBELIA**—Free-flowering annual, plants much used for edgings, baskets, etc. Sow the seed in March or April in seed pans of light soil. Do not cover the seed, but sow on surface and press down firmly with hand; water with a fine spray. When large enough transplant to shallow boxes and afterwards to open ground.

**Emperor William**—Very compact; sky blue. **Pkt., 10c.**

**Crystal Palace Compacta**—Rich deep dark blue; dark foliage; the finest for bedding. **Pkt., 10c.**

**White Gem**—Dense balls covered with snowy white flowers. **Pkt., 10c.**

## LOBELIA (Continued)

- Dwarf Red**—Magenta red; white eye. Pkt., 10c.
- Bedding Queen** (*Compacta Pumila Splendens*)—Dark blue flower with clear white eye; excellent sort. Pkt., 10c.
- Hybrida Sapphire**—Large, deep blue flower with white eye; superb trailing Lobelia. Pkt., 10c.
- Speciosa**—Trailing; dark stalks, deep blue flowers. Pkt., 10c.
- Erinus Alba**—Trailing; pure white. Pkt., 10c.
- LUPINS**—Hardy garden plants, growing 1 to 3 feet high, bearing spikes of pea-shaped flowers.
- Aboreus New Hybrids** (P)—Effective perennials of new and unusual colors; blooms in June and July. Mixed. Pkt., 10c.
- Aboreus, Yellow Tree** (P)—Perennial, bright yellow flowers; bushy habit. 4 feet. Pkt., 10c.
- Polyphyllus Sorts** (P)—Beautiful hardy variety of stately spikes of bloom.
- Carmine, Golden Spire** (Purple with Gold)
- Lavender Queen** (Lavender shades tinted Rose), **Rose Shades or White**. Pkt. 15c.
- Polyphyllus, Regal Hybrids** (P)—An improved strain of mixed colors. Pkt. 15c.
- Annual Mixed**—Semi-dwarf sorts. Pkt. 5c.
- LYCHNIS CHALCEDONIA** (P) (Jerusalem Cross)—Hardy perennial plants; blooms the first year if sown early. Dense heads of scarlet flowers. 3 feet Pkt., 5c.
- Chalcedonica, Salmon Queen** (P)—A striking shade of salmon-pink. Pkt. 10c.
- Haageana Hybrida**—Perennial of brilliant orange, scarlet, crimson, etc., in mixture. 1 ft. Pkt., 15c.
- Arckwrightii** (P)—Perennial, new hybrids of Chalcedonia and Haageana varieties. Rich, effective colors. 2 to 3 feet. Pkt., 25c.
- Alpina** (P)—Perennial; clusters of rose-colored flowers; dwarf; 4 inches. Pkt., 20c.
- MARIGOLD** (*Tagetes*)—An old standard variety of hardy annuals.
- African Tall**—Fine double mixed; 18 inches. Pkt., 5c.
- African Orange Prince**—Double flowers of deep golden orange. Pkt., 10c.
- African Lemon Queen**—A soft lemon-yellow. Pkt., 10c.
- African Dwarf Orange**—Blooms earlier than the tall varieties; 18 inches. Pkt., 10c.
- African Dwarf Mixed**—A fine mixture of early varieties. Pkt., 5c.
- French Double Tall**—Large bushes covered with a multitude of small double flowers. **Orange, Lemon-Yellow, Yellow and Brown or Striped**. Pkt., 10c.
- Tall Mixed**, Pkt., 5c.
- French Double Dwarf**—Excellent for borders. 10 inches. **Orange, Reddish Brown or Yellow-flushed Red**. Pkt., 10c.
- Dwarf Mixed**, Pkt., 5c.
- French Lilliput**—Dwarf and double; valuable either for beds or borders. Very small flowers. **Brown, Golden or Yellow and Brown**. Pkt., 10c.
- Legion of Honor**—Dwarf; single golden yellow with large spot of crimson velvet. Pkt., 5c.
- Signata Pumila**—A dwarf compact Marigold with delicate fern-like leaves; densely covered with flowers of golden yellow. A good border plant. Pkt. 5c.
- MESSEMBRYANTHEMUM CRIST-TALLINUM** (Ice Plant)—Dwarf trailing annual of icy foliage; white flowers. Pkt., 5c.
- Tricolor**—Dwarf annual, well adapted for sunny situations; flowers crimson and white with dark centers. 3 inches. Pkt., 10c.
- MIGNONETTE** (*Reseda*)—No garden is complete without this well-known fragrant plant. The seed can be sown at any time; a very hardy annual; average height 1 foot.
- Odorata Grandiflora**—The old variety with small spikes, but very sweetly scented. Pkt., 5c.
- Machet**—Thick spikes of reddish flowers; excellent for pot or garden culture. Pkt., 5c.
- Machet Ruby**—Splendid coppery red flowers. Pkt., 10c.
- Golden Machet**—Dwarf with massive spikes of golden yellow blossoms. Pkt., 10c.
- White Pearl**—Large spikes; very fragrant; white. Pkt., 10c.
- Goliath**—Of strong, compact habit; bright red flowers; large stocks. Pkt., 10c.
- MIMULUS TIGRINUS** (P) (Monkey Flower)—Perennial, blooming the first year from seed; fine for shady places; mixed spotted varieties; 9 inches. Pkt. 10c.
- Prince of Bismarck** (P)—Perennial of purplish carmine flowers; compact habit. Pkt., 10c.
- Musk Plant** (P) (*Moschata*)—Musk-scented leaves, tiny yellow flowers; fine

for window boxes or hanging baskets. **Pkt., 20c.**

**Morning Glory Dwarf**—The dwarf Morning Glory; makes fine border or bedding plants; rich colors; mixed. **Pkt. 5c.**

**MONARDA HYBRIDA (P)**—Showy plants with aromatic foliage and producing their bright flowers during July and August; 1 to 1½ feet. Fine mixed. **Pkt., 15c.**

**NASTURTIUM**—One of the best annuals of easy culture, wide range of colors. The dwarf varieties are exceedingly fine for bedding and the tall sorts make excellent covering for trellises, etc.

**Dwarf Mixed**—**Pkt., 5c; oz., 10c; ¼ lb. 35c.**

**Dwarf Varieties**—Separate colors. **Pkt., 10c; oz., 20c; ¼ lb., 60c.**

**Aurora**—Terra cotta.

**Beauty**—Scarlet, blotched canary.

**Cherry Rose**—Rich cherry rose.

**Golden King**—Orange yellow.

**Empress of India**—Salmon scarlet.

**The Pearl**—Lemon yellow.

**King of Tom Thumb**—Pure scarlet.

**Vesuvius**—Rich salmon rose.

**King Theodore**—Rich deep velvety crimson.

**Dwarf Ornamental Leaved**—Leaves are showily spotted and variegated in contrasting shades of white and green. The flowers are always of good color and size. **Mixed. Pkt., 10c; oz., 20c.**

**Tall Mixed**—**Pkt., 5c; oz., 10c; ¼ lb., 35c.**

**Tall Varieties**—Separate colors. **Pkt., 10c; oz. 20c; ¼ lb., 60c.**

**Butterfly**—Light lemon-yellow, blotched terra-cotta red.

**Dunnett's Orange**—Deep orange blotched crimson.

**Golden-Leaved Scarlet**—Golden yellow foliage, flowers deep velvety maroon.

**Midnight**—Deep brownish-red.

**Moonlight**—Light straw yellow.

**Tall Scarlet**—Brilliant scarlet.

**Twilight**—Delicate salmon suffused rosy-salmon.

**Tall Ornamental Leaved**—Flowers of many bright colors, in charming contrast to the handsomely variegated foliage. **Mixed Pkt., 10c; oz., 20c.**

**Tom Bounce Trailing**—Valuable as a trailer for baskets, window boxes and the rockery. The plants have running stems which are set closely with small leaves and little flowers in profusion. **Mixed. Pkt., 10c; oz., 25c.**

**NEMESIA STRUMOSA GRANDIFLORA (Suttonii)**—A free-flowering annual of orchid-like flowers in finest mixture of rich and rare colors; 1 foot. **Pkt., 15c.**

**NEMOPHILIA (Baby Eyes)**—Annuals of the easiest culture. Effective in front row to a bed or border; should be sown where they are to remain; 6 inches. **Sky-Blue, White, Spotted Brown or Mixed. Pkt. 5c.**

**NICOTIANA**—Species of tobacco, delicious fragrant flowers; fine as decorative plants annuals; about 3 ft. high.

**Affinis**—Pure white tubular flowers, sweet scented. **Pkt., 5c.**

**Sylvestris**—Long, pure white, very sweet-scented flowers, hanging in racemes. 4 feet. **Pkt., 10c.**

**Affinis Hybrida**—Fine colors mixed. **Pkt., 10c.**

**Sanderae Hybrida**—Mixed varieties. **Pkt., 10c.**

**NIGELLA (Love in a Mist or Devil in the Brush)**—A hardy annual of curious looking flowers and seedpods; finely cut foliage. Easy culture; 1 ft.

**Damascena**—Blue and white mixed. **Pkt., 5c.**

**Miss Jekyll**—Cornflower, double blue blossoms; splendid for cutting. **Pkt., 5c.**

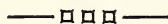
**Miss Jekyll White**—Double pure white flowers. **Pkt., 5c.**

**OENOTHERA (P) (Evening Primrose)**—Perennial; elegant subject for growing in an exposed sunny position, either in the border or rockery; blooming a greater part of the summer.

**Speciosa Rosea**—A fine rose-colored fragrant flower. 18 inches. **Pkt., 15c.**

**Fraseri**—Produces an abundance of deep yellow flowers; compact habit; 1 ft. **Pkt., 15c.**

**Afterglow**—An improved variety. The brilliant red calyx intensifies the yellow of the flower. 3 feet. **Pkt., 10c.**



## PANSIES

**Kaufmann's Fine Large Mixed**—A wonderful collection of rich, velvety shades, huge in size with fine long stems. **Pkt., 25c.**

**Giant Varieties**—Mixed. Something that will please the most fastidious. **Pkt., 15c.**  
**Bugnot's Superb Blotched**—Beautiful class of rarest colors. **Pkt., 15c.**

**Orchid Flowered Mixed**—Rare light shades of large frilled flowers. Pkt., 10c.

**Striped and Mottled Mixed**—Splendid strain. Pkt., 15c.

**Masterpiece (Exhibition)**—A selected strain of blotched and frilled large blooms. Mixed. Pkt., 15c.

**Adonis**—Large, light blue with eye. Pkt., 10c.

**Cardinal**—Giant, brilliant red. Pkt., 15c.

**Dark Red**—Large, dark blood red, blotched and frilled. Pkt., 15c.

**Elks Purple**—Very large, rich deep purple. Pkt., 15c.

**Emperor William**—Giant, showy cornflower blue. Pkt., 10c.

**Giant Yellow**—Rich yellow, with dark center. Pkt., 15c.

**Golden Queen**—Giant pure yellow. Pkt., 15c.

**King of Blacks**—A jet black of giant size. Pkt., 15c.

**Light Blue**—Giant light blue without eye. Pkt., 15c.

**Lord Beaconsfield**—Large, fine bluish purple with a distinct lavender ring on the upper part of the upper petals. Pkt., 15c.

**Mad Perret**—Large, fine wine shade on white ground. Pkt. 15c.

**Mercury**—New, dark velvety purple, very large. Pkt., 15c.

**Prince Henry**—A splendid dark blue of immense size. Pkt., 15c.

**Panama Yellow**—Large yellow, some with dark eye and some without. Pkt., 15c.

**Ruby King**—Giant purplish red shades. Pkt., 15c.

**Snowflake (Black Seeded)**—A very pure white; giant size. Pkt., 15c.

**White Mastodon**—Dark eye. Pkt., 15c.

**Giant Winter-Blooming Pansies**—This early and perpetually-flowering strain of Pansies; is exceptionally compact in growth. Seed sown at usual time, will start flowering in autumn and continue in profusion.

**Celestial Queen**—Sky Blue. Pkt., 15c.

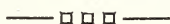
**Helios**—Pure yellow. Pkt., 15c.

**Charm of March**—Velvety blue. Pkt., 15c.

**North Pole**—Snow white. Pkt., 15c.

**Winter Sun**—Golden yellow with black eye. Pkt., 15c.

**Mixed**—Splendid mixed. Pkt., 15c.



## VIOLA CORNUTA OR TUFTED PANSIES

Violas are indispensable for spring gardening and if the dead blooms are regularly removed the plants will flower profusely until late autumn. May be grown in the same manner as Pansy. Six inches.

**G. Wermig**—Abundant fine, long-stemmed violets; early. Pkt., 25c.

**Admiration**—Large dark blue. Pkt., 10c.

**Spring Messenger**—Bright rich purple. Pkt., 15c.

**Rose Queen**—Large rose. Pkt., 15c.

**Tufted, Ardwell Gem**—Large primrose. Pkt., 10c.

**Lutea Splendens Grandiflora**—Rich golden yellow. Pkt., 10c.

**Munbyana**—Dark blue, abundant long-bloomer; very early. Pkt., 15c.

**Viola Cornuta Mixed (Tufted Pansies)**—Fine mixture of long and free-blooming varieties. Pkt., 10c.



**PENTSTEMON GLOXINIOIDES "SENSATION"** (P) (Board Tongue)—Perennial, much used in hardy borders. Branching habit; bearing spikes of Gloxinia-like flowers in wide range of bright colors; 2 feet. Mixed. Pkt., 10c.

**PERILLA NANKINENSIS MACROPHYLLA**—Half-hardy annual of beautiful bronze foliage; valuable for bedding. 1 foot. Pkt., 5c.

**PETUNIA**—An effective out of door and house culture flower; early and continuous throughout the season. We are offering some of California's specials.

**Giants of California**—Often 5 or more inches in diameter. They embrace every conceivable shade of crimson, pink,

lavender, yellow, black and pure white, etc., flowers are beautifully ruffled and frilled. Mixed Pkts., 35c.

**Triumph**—Large single flower, beautifully ruffled, of a clear bright pink. A fine bedder and a free bloomer. Pkt., 35c.

**Giant White**—Unrivalled for beauty of texture and size. Has glistening satiny texture and yellow throat. Pkt. 25c.

**Marvelous Double**—Beautifully fluted, frilled and ruffled and pinked. They have never been surpassed in beauty, size and color. Choice mixed, Pkts., 35c.

**Fluffy Ruffles (Single)**—The most delicate ruffled and fringed of all petunias; slightly smaller than the giants, but more ruffled. Mixed, Pkts., 25c.

**Giant Rose**—Ruffled, veined black.

Pkt., 25c.

**Giant Steel Blue**—Ruffled, veined black.

Pkt., 25c.

**Finest Mixed**—Single sorts of good bright colors. Pkt., 10c.

**Dwarf Inimitable**—Spotted and starred dwarf varieties in splendid mixture.

Pkt., 10c.

**Dwarf Gloria**—Bright carmine, white throat. Pkt., 15c.

**Dwarf Senato**—Purplish violet, white throat or pink. Pkt. 15c.

**Balcony Petunia**—A splendid free-flowering type, either for bedding, window boxes, vases, hanging baskets, etc.; flowers average 3 inches across.

**Deep Violet Purple, Brilliant Rose Pink Rich Dark Red or White.** Pkt., 20c. each.

**PHLOX**—The bloom of Phlox Drummondii Grandiflora are unrivaled for richness and beauty of color; they are abundant, almost covering the foliage and of long duration. Very desirable and easily grown. For cutting or for bedding in

masses they are unsurpassed. Hardy, annual.

**Drummondii Grandiflora**—Select large flowering sorts; 1 foot. **Snow White, Scarlet, Soft Rose, Yellow or Mixed.** Pkt., 10c.

**Drummondii Dwarf**—Large flowering Dwarf varieties; 8 inches. **Pure White, Fiery Scarlet, Soft Rose, Yellow or Mixed.** Pkt., 10c.

**Star Phlox**—Of dwarf habit, with pretty star-shaped flowers. **Mixed.** Pkt., 10c.

**Decussata** (P) (Perennis)—Of all perennials the Hardy Phlox are probably the most popular. **Mixed.** Pkt., 25c.

**PHYSALIS FRANCHETI** (P) (Chinese Lantern Plant)—Perennial ornamental plant, forming dense bushes about 2 feet high, producing freely bright orange-scarlet lantern-like fruits. Pkt., 10c.

**PHYSOSTEGIA VIRGINIANUN** (P) (False Dragon Head)—Perennial; dense bushes with spikes of lilac pink tubular flowers. Useful for cool situations. 3 feet. Pkt., 10c.

## HARDY GARDEN PINKS

No garden is complete without a few plants of these annual pinks which are easily grown from seed.

**Heddewigi Hybridus** (Japanese Pink)—Double mixed. Pkt., 10c.

**Heddewigi Atropurpureus** (Morning Clock)—Very large double flowers of dark crimson, margined white. Pkt., 10c.

**Heddewigi Diadematus** (Diadem Pink)—A splendid type; flowers large and double in various tints, with outer edges fringed and nearly white. **Mixed.** Pkt., 5c.

**Imperialis** (Double Imperial Pinks)—Robust bushy plants with double flowers. Choice mixed. Pkt., 5c.

**Imperialis Atrosanguineus fl. pl.**—Double dark red; very striking. Pkt., 10c.

**Heddewigi Laciniatus**—A superb single mixed variety; dwarf. Pkt., 5c.

**Snowdrift**—Very large double white blooms. Pkt., 10c.

**Marvelous**—Single annual. This remarkable strain produces large flowers, with petals deeply cut into fine strips of thread-like fringes; all shades mixed. Pkt., 5c.

**Lucifer**—A new double flowering form of

bright geranium-red. The nicely fringed flowers are about 2 inches across.

Pkt., 10c.

**Plumarius Semperflorens** (Everblooming Hardy Garden Plants)—Sweet scented double and semi-double varieties in a large range of colors. Pkt., 15c.

**Plumarius** (Grass Pink or Pheasant-Eye Pink)—A beautiful single hardy Pink, with fringed-edged flowers of various colors. Pkt., 10c.

**Plumarius fl. pl.** (Double Hardy Garden Pinks)—Double and semi-double in beautiful colors. Pkt., 15c.

**Neglectus**—Hardy flowers, fiery red. Pkt., 15c.

**Latifolius Atrocieneus** (Everblooming Hybrid Sweet William)—A cross between an annual Pink and Sweet William; continuous-bloomer; an intense velvety crimson; hardy.

Pkt., 15c. **Double Mixed.** Pkt., 10c.

**Oculatus**—Double white with dark red center. Pkt., 15c.

**Deltoides, Brilliant**—The plants are literally covered with tiny flowers of a gorgeous rosy carmine color; valuable for the rockery. 6 to 9 inches. Pkt., 15c.

**PLATYCODON GRANDIFLORA** (P) (Wahlenbergia)—One of the best hardy perennials, producing very showy steel blue flowers during the whole season; excellent for planting in permanent borders or among shrubbery. Pkt., 10c.

**Grandiflora Double** (P)—Large handsome flowers. Small per cent come true double. Blue or White. Pkt., 20c.

**POLEMONIUM COERULEUM GRANDIFLORUM** (P) (Jacob's Ladder)—Perennial of beautiful large spikes in early spring. 2 to 3 feet. Pkt., 10c.

**Prima Donna** (P) Perennial. Delicate blue flowers; dwarf. Pkt., 10c.

**POLYGONUM ORIENTAL** (Persicaria)—An exceedingly pleasing annual of red Oriental variegated foliage; 2½ feet or more. Pkt., 10c.

## POPPIES

Poppies are one of the most desirable flowering plants, with a wide range of colors. Sow where they are to remain.

**Peony Flowered**—Large showy flowers, resembling a double peony. **Pkt., 5c.**

**Peony Flowered Dwarf**—Double mixed. **Pkt., 5c.**

**Admiral**—Large single flowers of glistening white, with broad band of brilliant scarlet at top. **Pkt., 5c.**

**Argemone** (Mexican Poppy)—Sturdy annual, fine mixed colors. **Pkt. 10c.**

**Charles Darwin**—Single, rich dark purple flowers. **Pkt., 5c.**

**King Edward**—Beautiful deep scarlet, shaded crimson; single. **Pkt., 5c.**

**Dainty Lady**—Rose mauve; very showy. **Pkt. 5c.**

**Danebrog or Danish Cross**—Scarlet, blotched silvery white. **Pkt. 5c.**

**Miss Sherwood**—Petals silvery white, shading to rose, single. **Pkt. 5c.**

**Peach Blossom**—Attractive single-pink flowers. **Pkt., 5c.**

**Tulip Poppy (Glaucum)**—Large tulip-shaped flowers of brilliant scarlet. **Pkt., 10c.**

**Alpine Poppy (Pyrenaicum)**—Smallest blooms in rich colors; charming little plants for pots and rockeries. **Pkt., 15c.**

**Double Salmon Pink**—An attractive shade. **Pkt., 5c.**

**The Bride**—A beautiful large pure white. **Pkt., 5c.**

**Umbrosom**—Single, glowing vermillion spotted black. 18 inches. **Pkt., 10c.**

**Select Shirley**—Extra fine strain, semi-double; scarcely two flowers alike. **Mixed. Pkt., 5c.**

**Lilliput Shirley**—New Shirley with abundant small flowers of many lovely shades; 1 foot. **Pkt., 10c.**

**Double Shirley Hybrids** (Ryburgh Elderado)—Flowers are double and semi-double, self-colored. If gathered young they last for days. **Mixed. Pkt., 10c.**

**Salmon Shades, Shirley**—Very fine new varieties. 18 inches. **Pkt., 10c.**

**Blue Shades, Shirley**—Unusual grey-blue flowers in various tints. Should be grown separately from other Poppies. **Pkt., 10c.**

**Dwarf Shirley**—Charming mixed colors. 18 inches. **Pkt., 10c.**

**Japanese Pompon** (Ranunculus Poppy)—Very pretty, small double flowers of perfect form. 15 inches. **Finest Mixed. Pkt., 10c.**

**Iceland (P)** (Nudicaule)—Perennials; will bloom the first year from seed. They

are of graceful habit, with bright fern-like foliage, bearing on long slender stems, brilliant flowers of endless profusion. **Yellow, Orange-Scarlet or New Mixed. Pkt., 10c.**

**Iceland Double Mixed**—Extra fine strain. **Pkt., 15c.**

**Oriental Poppies (P)**—Perennial; for gorgeous coloring the Oriental Poppies have few rivals among the hardy plants. **Bright Scarlet Shades, Royal Scarlet, Dark Red or Finest Mixed. Pkt., 10c.**

**Oriental, Princess Victoria Louise**—Large flowers of soft salmon pink. **Pkt., 10c.**

**PORTULACA** (Moss Rose)—Hardy annual; one of the best plants for edging and rockwork; thriving best in sunny location or rather rich, light loam or sandy soil. The flowers are of the richest **Single Mixed—Pkt., 5c; Double Mixed, Pkt., 10c.**

**POTENTILLA (P)**—Charming hardy perennial plants for the border, with brilliant flowers, mostly in orange, red and crimson tones during June to August; 18 inches.

**Single Hybrids**—All colors. **Pkt., 10c.**

**PRIMULA (P)** (Primrose)—These are among the best of the hardy early spring blooming plants. The Obconica and Chinese varieties do best for winter blooming pot plants.

**Auricula**—A well known favorite of great beauty. 6 inches. **Pkt., 25c.**

**Cashmiriana**—Round heads of rosy-lilac flowers in early spring; hardy and fine. **Pkt., 35c.**

**Veris Aurea**—Hardy, superb golden yellow. **Pkt., 10c.**

**Veris**—Crimson shades. **Pkt., 15c.**

**Veris Acaulis Coerulea** (Polyanthus)—Blue flowered. **Pkt., 25c.**

**Veris Acaulis Hybrids**—This splendid strain produces large flowers of robust growth. Choice mixed. **Pkt., 25c.**

**Veris Grandiflora Mixed**—A giant flowered beautiful class. **Pkt., 25c.**

**Japonica** (Japanese Primrose)—Bright and showy flowers, borne on stems 6 to 9 inches long. **Mixed. Pkt., 10c.**

**Kewensis**—Free-flowering with large golden yellow flowers; fine foliage. **Pkt., 15c.**

**Rosea Grandiflora**—Charming large bright rose; very early. **Pkt., 25c.**

**Verticillata**—Beautiful variety of golden yellow flowers, leaves white-powdered. **Pkt., 25c.**

**Malacoides** (Improved Baby Primrose)—Light lilac, blooming within 4 months;

very rich and delightfully scented; fine summer and winter blooming house plant. **Pkt., 15c.**

**Fringed Chinese** (*Sinensis Fimbriata*)—The finest fringed large flowering sort for pot plants during the winter months. **Mixed. Pkt., 25c.**

**Obconica Gigantea Hybrida**—A profuse bloomer for pot culture. Giant finest mixed. **Pkt., 25c.**

**PRUNELLA GRANDIFLORA** (P)—Perennial with blue flowers, preferring moist, hardy positions. **Pkt., 5c.**

**PYRETHRUM** (P)—Perennial of easy culture, bearing large Daisy or Cosmos-like flowers in May and June and again in the fall; most graceful and long-lasting cut flower.

**Roseum Hybridum Grandiflorum** (P)—Large flowering mixed. **Pkt., 15c.**

**Roseum Hybridum fl. pl.** (P)—A splendid collection of semi-double flowers. **Mixed. Pkt., 25c.**

**Roseum Atrorubiginum** (P)—Very fine red and dark red shades. **Pkt., 15c.**

**Parthenifolium Selaginoides** (Golden Feather)—An effective border plant of bright yellow fern-leaved foliage; one inch. **Pkt., 5c.**

**RANUNCULUS** (P) (Crows Foot, Buttercup)—Effective perennial either as a cut flower or grouped in hardy borders.

**Asiaticus Superbissimus**—Various colors, double and single flowers; 2 feet. **Pkt., 5c.**

**Gramineus**—Rich yellow. **Pkt., 15c.**

**RICINUS**—See Castor Bean.

**ROSA POLYANTHA PLENO** ("Little midget" or Baby Rose)—Remarkable race of miniature Roses. Charming for small beds or borders and suitable for pots, being literally covered with double and single flowers; 1 foot. **Mixed. Pkt., 15c.**

**RUDBECKIA** (Cone Flower)—Strong growing plant; flowering all summer.

**Bicolor Superba**—Annual, yellow flower with brown in center. 2 ft. **Pkt., 5c.**

**Newmani** (P)—Perennial, bearing large, bright orange-yellow petals surrounding a large black cone. **Pkt., 10c.**

**Purpurea** (P) (Giant Purple Cone-Flower)—Hardy perennial, producing large, showy reddish purple flowers. 3 feet. **Pkt., 10c.**

**SALPIGLOSSIS** (Painted Tongue)—A favorite annual of easy culture; beautiful orchid-like flowers of large improved strain. **Chamois Rose, Lilac with Gold, Purple Violet and Rose. Pkt., 15c.**

**Emperor**—Finest mixed robust class of large flowers. **Pkt., 10c.**

**SALVIA** (Scarlet Sage)—A favorite annual bedding and pot plant that keeps the garden bright until late autumn.

**Zurich**—Early. The plants are dwarf and compact with large brilliant flower spikes; 2 feet. **Pkt., 15c.**

**America or Globe of Fire**—A free and continuous bloomer; also uniform in habit of growth; early; 2 feet. **Pkt., 25c.**

**Fireball**—Early, compact variety, and literally covered with long spikes of fiery scarlet flowers. 15 inches. **Pkt., 15c.**

**Splendens**—Beautiful bright scarlet; 3 ft. **Pkt., 10c.**

**Farinacea**—Long spikes of lavender blue flowers; 2½ feet. **Pkt., 10c.**

**Pratinis**—Perennial; bluish purple flowers in early spring; 2 to 3 feet. **Pkt. 10c.**

**SANVITALIA PROCUMBENS**—Hardy annual, suitable for beds, edgings and rockeries. Pretty yellow flowers; 6 inches. **Single or Double. Pkt., 10c.**

**SAPONARIA VACCARIA**—A pretty and useful annual variety; bears masses of satiny pink flowers somewhat like the enlarged *Gypsophila*; adding grace to any arrangement of flowers. **Pkt., 5c.**

**Multiflora, Scarlet Queen**—Very brilliant scarlet, compact habit. **Pkt., 10c.**

**Ocymoides** (P)—Hardy perennial trailing rock or border plant, producing during the summer months masses of small, bright rose flowers; 9 inches. **Pkt., 10c.**

**Officinalis** (P)—Perennial; flowers varying from white to rose pink in July; 2 feet. **Pkt., 10c.**

**SAXIFRAGA CORDIFOLIA** (P) (*Megasea*)—Admirable border perennial, forming masses of handsome broad deep green stand well above the foliage. 1 foot. **Pkt., 15c.**

**SCABIOSA GRANDIFLORA FL. PL.** Morning Bride or Pin-cushion Flower, etc.)—These beautiful hardy annuals are in great demand. The various shades are very charming for a cut flower; about 2½ feet. Separate colors, **Soft Rose, Lavender Blue, Cherry Red, Black Purple, Sulphur Yellow, White, Fiery Scarlet or Brilliant Crimson. Pkt., 10c. Mixed. Pkt., 5c.**

**Caucasia** (Blue Bonnet) (P)—A handsome hardy perennial, especially valuable for cutting; color soft lavender-blue. **Pkt., 15c.**

**Caucasica Perfecta** (P)—Perennial of large and fringed blooms. **Lilac or White. Pkt., 25c.**

**SCHIZANTHUS** (Butterfly or Fringed Flower)—Annual, neat pyramidal-bushes covered with a multitude of small butterfly-like flowers; very airy and dainty.

**Grandiflora Hybridus**—Rich colors. Mixed, Pkt., 10c.

**Grandiflora Hybridus, Red Shades**—Dwarf compact habit; large-flowering. Pkt., 10c.

**Wisetonensis**—Charming long and profusely blooming hybrids; many splendid shades; excellent pot plant. Pkt. 20c.

**Dwarf Mixed**—8 to 10 inches high. Pkt., 10c.

**SEDUM ACRE** (P) (Golden Moss)—Suitable for rockery, carpet-bedding, etc. Foliage green; flowers bright yellow. Pkt., 15c.

**SENECIO ELEGANS FL. PL.** (Jacobea)—Beautiful free-flowering hardy annual, producing dense heads of double flowers; fine cut flower. 18 inches. Mixed. Pkt., 10c.

**Clivorum** (P) (Groundsel)—Perennial of large leaves and heavy heads of rich orange-yellow flowers in August. Likes a moist situation. 4 to 5 feet. Pkt., 10c.

**SENSITIVE PLANT** (Mimosa)—Curious and interesting annual, with pinkish-white flowers. The leaves are close and droop when touched. Pkt., 5c.

**SIDALCEA, ROSY GEM** (P)—Handsome herbaceous perennial, producing during June and July numerous miniature holly-hock-like spikes of clear rose shade. 2 to 3 feet. Pkt., 15c.

**SILENE PENDULA** (Catchfly)—A very showy early flowering hardy annual bearing in quantities heads of beautiful double flowers.

**Bonnettii, Dwarf Pink**—Charming dwarf compact plants, thickly studded with double pink flowers. Pkt., 10c.

**Bonnettii, Deep Lilac**—A very showy variety. 1 foot. Pkt., 10c.

**Double Mixed**—An interesting mixture. Pkt., 5c.

**SMILAX** (Medeola Asparagoides)—Makes a fine pot or basket plant. Pkt., 10c.

**SNAPDRAGON** (P) (Antirrhinum)—This old-fashioned flower of giant varieties of either type, are most valuable for cutting or for show in the garden, blooming the first season from seed. Snapdragons become perennials if weathered through the first year. 18 inches to 3 ft. Large flowering new giant varieties.

**Canary Bird**—Delicate yellow. Diamond—Dark brown, reddish-lilac throat.

**Fire Flame**—Scarlet, white throat. **Golden Queen**—Deep golden, rosy-lilac throat. **Old Gold**—Golden orange, old rose throat. **Maralada**—Coppery carmine. **Nymph**—Lilac rose, white throat. **Purple King**—Glowing purple. **Rose**—Pure rose. **Snowflake**—Pure white. **Tuft of Lilac**—Deep lilac. **Wallflower**—Brown and gold or **Giant Mixed Colors**.

Each of above, per pkt., 15c.

**Tall Large-Flowering Mixed**—A good mixture. Pkt., 5c.

**Tall Double Mixed**—Large flowering; sixty per cent true double. Pkt., 15c.

**Large-flowering Half-Dwarf Varieties**.

**Amber Queen**—Rich yellow, suffused chamois-pink. **Carmine Queen**—Brilliant rose-carmine. **Empress**—Rich, velvety maroon. **Fawn**—Terra-cotta pink, suffused yellow. **Gloria**—Rich deep rose. **Golden Queen**—Clear yellow. **Purity**—Pure white or **Silver Rose**—Pearly pink. Each of the above, 15c.

**Half-Dwarf Varieties**.

**Aurora**—Scarlet, white throat. **Bonfire**—Orange, buff shaded scarlet. **Black Prince**—Deep maroon. **Daphne**—Soft bluish pink. **Defiance**—Orange-scarlet. **Golden Queen**—Rich golden-yellow. **Mauve Beauty**—Soft mauve. **Salmon Queen**—Rich salmon, or **White**. Pkt., 10c. Mixed—Rich colors. Pkt., 5c.

**Tom Thumb, Rose**—Brilliant rose, admirably adapted for bedding purposes. 9 to 12 inches. Pkt., 15c.

**SNOW IN SUMMER** (Cerastium Tomen-tosum)—Hardy perennial. A very dandy dwarf, white-leaved edging plant, bearing small white flowers. Pkt., 10c.

**SOLIDAGO CANADENSIS** (P) (Golden Rod)—Perennial of gracefully arched sprays of golden yellow flowers. 3 feet. Pkt., 10c.

**SPERGULA PILIFERA** (P) (Pearl Wart)—For rockwork and edgings, forming a beautiful green carpet, covered in early summer with small white flowers. Pkt., 25c.

**STELLARIA GRAMINEA AUREA** (P) (Golden Stitchwort)—Creeping perennial for rockeries, with bright green foliage and small golden-yellow starry flowers. Pkt., 10c.

**STOCKS** (Gilliflower)—One of the most popular summer and winter blooming plants. It is unsurpassed for brilliancy and diversity of color, fragrance.

**Perpetual or Cut and Come Again**—The leading class of large-flowered ten-week Stocks for summer blooming. Ap-

- ple Blossom, Canary Yellow, Bright Lilac, Rose, White or Mixed. Pkt., 10c.
- Dwarf Ten-Week**—A fine type of the large-flowered strain. Crimson, Canary Yellow, Apple Blossom, Blood Red, Brilliant Rose, Light Blue, Violet, White or Mixed. Pkt., 10c.
- Early Large-Flowering Winter Stocks**—Canary Yellow, Pure Yellow; Violet Purple, excellent sort. **Queen Alexandria**—Beautiful rosy lilac. **Dark Crimson**—Rich crimson. **Beauty of Nice**—Delicate flesh pink. Mixed. Pkt., 15c.
- Winter or Biennial Brompton Stocks**—Rose or crimson. Pkt., 20c.
- Dwarf Bouquet Winter Stocks**—Large flowers in brilliant rose or violet. Pkt., 15c.
- Virginia Stock** (Maritimus)—Sown early, these pretty annuals are gay in the period between the spring and summer flowers. 6 inches. Pkt., 5c.
- Evening Scented Stock** (Matthiola Bi-

cornis)—An old-fashioned annual; flowers being purplish-lilac, emit a delicious perfume during the evening and after a shower. Pkt., 5c.

**STOKESIA CYANEA** (P)—A rare and beautiful hardy perennial, growing about 24 inches high, and each bearing 20 to 30 blossoms. Pkt. 10c.

**SWEET WILLIAM** (P) (*Dianthus Barbatus*)—A well known, attractive, free-flowering hardy perennial, producing a splendid effect in beds and borders with their rich and varied flowers.

**Pink Beauty**—Beautiful salmony rose; 18 inches. Pkt. 15c.

**Scarlet Beauty**—A very effective, rich deep scarlet. Pkt. 10c.

**Holborn Glory**—An auricula-eyed strain of extraordinary size, of the single varieties. Pkt. 10c.

**Single Mixed**—All colors. Pkt. 5c. **Giant Double Mixed**. Pkt. 10c.



## STRAW OR EVERLASTING FLOWERS

Fine for winter bouquets. The blooms should be cut as soon as they open tied in small bunches and dried slowly in a cool, shady place, hanging the flowers downward to keep the stems straight.

**AMMOBIUM GRANDIFLORUM**—Pretty everlasting; of easy culture, flowers white, 2 feet. Pkt. 5c.

**ACROLINIUM**—A pretty annual with everlasting flowers, growing about one foot high. A fine plant in a mixed border. Double Pink. Pkt. 5c.

**CATANANCHE COERULEA** (P)—A perennial border plant; blue flowers; suitable for cutting in July and August; 2 feet. Pkt., 5c.

**ECHINOPS RITO** (P) (Globe Thistle)—Hardy perennial, round heads of steel-blue flowers in July and August; 3 to 5 feet. Pkt. 10c.

**ERYNGIUM AMETHYSTINUM** (P) (Sea Holly)—Perennial with finely cut foliage and the small, beautiful thistle-like heads of glistening amethystine blue are produced from July to September; 2 to 3 feet. Pkt. 10c.

**GOMPHRENA** (Globe Amaranth)—One of the most popular of the everlastings, known as Bachelor Buttons. Pkt. 5c.

**GRASSES**—Ornamental grasses can be used for the decorative effects in flower garden and bouquets.

**Agrostis Nebulose**—An airy and graceful sort, and looks like a line of mist when in bloom; 18 inches. Pkt. 10c.

**Stipa Pennata** (P) (Feather Grass)—Perennial, delicate white feathery blooms. If intended for bouquets, should be cut before maturity. Pkt. 10c.

**HELICHRYSUM** (*Monstrosum* Fl. Pl.)—One of the best everlasting, large double flowers of bright colors, prized for winter bouquets; hardy annuals. 2 feet. **Rose, Sulphur Yellow, Dark Red, Purple, Fireball, Violet, Silverball, Salmon Red, Shining Yellow, Fiery Scarlet, Salmon, Rust-color or White.** Pkt. 10c. Mixed colors, Pkt. 5c.

**HONESTY** (B) (Moonwort; Money Plant)—Hardy biennials; admired for their silvery seed pouches; 2 feet. Pkt. 5c.

**RHODANTHE** (Swan River Everlasting)—A charming annual, succeeds in a light rich soil and a warm sheltered situation; valuable for pot culture.

**Maculata**—Rose with dark center. Pkt. 10c.

**Manglesii**—Rose, very fine. Pkt. 10c.

**Single Sorts**—Fine Mixed. Pkt. 5c.

**STATICE** (Sea Lavender)—An extremely popular and beautiful plant producing all summer panicles of flowers which can be dried and used for winter bouquets.

**Latifolia**—Perennial of purplish blue flowers. Pkt. 10c.

**Perennial Mixed**—All colors. Pkt. 5c.

- Incana, Dwarf White (P)**—Beautiful perennial border plant of a cloud-like appearance. Useful for bouquets. 18 inches. **Pkt. 10c.**
- Spicata**—A dwarf hardy annual, producing long spikes of lilac-red everlasting flowers. 1 foot. **Pkt. 10c.**
- Sinuata**—Charming annuals. **Blue, Mauve, Rose or Golden Yellow (Bonduelli).** **Pkt. 10c.**
- Saworowii**—Handsome annual with spikes of bright rose flowers; **Pkt. 10c.**
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- TRITOMA HYBRIDA (P)** (Red Hot Poker)—Flowers borne in compact form on stout 3 and 4 foot stems, with orange and red colored heads. **Pkt. 15c.**
- TROLLIUS LEDEBOURI (P)** (Globe Flower)—Desirable free flowering perennial, producing giant bright orange buttercup-like blossoms from May until August. **Pkt. 25c.**
- Orange Globe (P)**—Deep orange, a superb, large-flowering variety. **Pkt. 25c.**
- TUNICA SAXIFRAGA (P)**—A neat, tufted hardy perennial plant, growing but a few inches high, bearing throughout the entire season numerous elegant pink blossoms; is especially adapted for rockery. Blooms the first season. **Pkt. 10c.**
- VALERIANA (P)** (Garden Heliotrope)—A showy hardy border plant; fine for bouquets; 2 feet. **Scarlet, Red or Mixed. Pkt. 10c.**
- VERBASCUM PHOENICEUM (P)**—Perennial; long, slender stems carry numerous pretty flowers in various colors. 2 feet. **Pkt. 10c.**
- VERBENA**—Annual; a carefully selected and improved strain; useful for beds, borders or window boxes. **Purple Shades, Brilliant Scarlet, Rose and Carmine Shades, Pink Shades or Mixed. Pkt. 10c.**
- Erinoides** (Moss Verbena)—Moss-like foliage, spreading over the ground like a carpet, above which are borne small purplish-blue and white blossoms; profuse bloomer. Fine for beds, baskets or rockeries. **Pkt. 10c.**
- Venosa**—Hardy annual, producing purple flowers; remains in bloom for a long period. Fine for groups and edgings; 1 foot. **Pkt. 10c.**
- VINCA** (Periwinkle)—Ornamental free-flowering bedding plants; they may be potted and kept in bloom through the winter. **Mixed. Pkt. 10c.**
- VIOLETS, ODORATA SEMPERFLORENS (P)**—Perennials; deep blue single-sweet scented violet. **Pkt. 15c.**
- XERANTHEMUM**—Annual. Bright and pretty everlasting with silvery foliage and silky flowers in pink, white and purple. **Double Mixed. Pkt. 5c.**
- THALICTRUM DIPTEROCARPUM (P)**—Graceful habit, with loose sprays of lilac-rose flowers; thrives best on poor soil 4 feet. **Pkt. 25c.**
- Adiantifolium (P)**—Perennial; elegant foliage resembling that of the Maiden-hair Fern. Admirable for bouquets, as the leaves retain their form for a long time when cut. 18 inches. **Pkt. 25c.**
- The Czar**—Large, fragrant deep violet flowers. **Pkt. 15c.**
- Double White**—Large and fragrant. **Pkt. 15c.**
- VISCARIA**—Profuse-blooming hardy annual of large flowers somewhat like a single pink, borne on long, slender stems; very telling in masses. 1 foot. **Crimson, Rose with Dark Eye, Blue, White or Dark Red. Pkt. 10c. Mixed colors. Pkt. 5c.**
- WALLFLOWER (B)**—Well-known.. fragrant, hardy biennial, with spikes of beautiful fragrant flowers in winter months and the early spring. They reseed themselves.
- Tall Single Varieties (24 inches).**
- Blood Red**—Dark red.
- Cloth of Gold**—Crimson.
- Fire King**—Vivid Orange.
- Eastern Queen**—Chamois, changing to salmon-red.
- Goliath**—Dark brown.
- Linnaeus**—White
- Blue.**
- Ruby Gem**—Violet with bluish sheen. **Pkt. 10c. Mixed—Rich colors. Pkt. 5c.**
- Single Semi-Dwarf Varieties (18 inches).**
- Brilliant Brown or Dark Brown. Pkt. 10c.**
- Single Tom Thumb Varieties (9 to 12 inches).**
- Black-brown, Canary-Yellow, Crimson or Violet. Pkt. 10c.**
- Tall Double Branching**—Large, dense spikes. 18 inches. **Golden-Yellow, Dark Brown, Blue or Mixed. Pkt. 15c.**
- Dwarf Double Branching**—Quite distinct from the preceding. The bushy plants produce an abundance of closely set spikes. 9 to 12 inches. **Golden-yellow, Dark Brown or Blue. Pkt. 15c.**
- Siberian Wallflower (P)** (Cheiranthus Allonii)—Early flowering with gorgeous orange flowers; charming in the dwarf border and on rockeries; 9 to 12 inches. **Pkt. 10c.**

**Cheranthus Kewensis** (P)—Single; flowers of sulphur passing to golden and purple violet; blooms from November till spring. Pkt. 15c.

**WILD FLOWER GARDEN**—This is not a mixture of wild flowers, but of garden annuals and perennials. We recommend it for vacant lots and waste pieces of ground. Pkt. 10c; 1 oz. 35c.

**ZINNIA** (Youth and Old Age)—These most brilliant and showy hardy annuals are desirable plants for mixed borders, or bedding purposes, and are remarkable for the profusion and duration of their flowers, which are extremely useful for bouquets. Single, Mixed. Pkt. 5c.

**Giant Double Varieties**—Gorgeous colors. 2½ ft. Apricot Orange, Blood Red, Bright Rose, Burnt Orange, Bright Scarlet, Crimson, Deep Flesh, Light Canary, Lavender, Purple, Salmon Rose or Mixed. Pkt. 10c.

**Double Dahlia-Flowered**—The latest development in Zinnias, bearing flowers of mammoth size. Mixed. Pkt. 20c.

**Haageana Hybrida, Double Perfection**—Fine shades in various colors. Pkt. 10c.

**Pompom Mixed**—A pretty compact variety with charming small double flowers; 9 inches. Pkt. 10c.

**Semi-Dwarf Double Mixed**—A valuable class of compact habit; very free-bloomer; 1 foot. Pkt. 10c.



## PRIZE SPENCER SWEET PEAS

Our list of Sweet Peas has been carefully revised and the varieties we offer have been selected from a large assortment and embrace only the best grown in California by the W. A. Burpee Co., Philadelphia, Pa.

**Culture**—Plant as early in the spring as conditions will permit. Seeds should be sown at the rate of one ounce to 15 to 25 feet. For early flowering, plant in October or November, which is best protected with a few inches of straw to insure against freezing. Work the soil well to a depth of one foot or more, using a fertilizer which should be well mixed with the soil; filling up the trench to within 3 or 4 inches of the top. Cover the seed 1 to 2 inches deep, pressing the soil down firmly. When plants are well up, thin them out to 4 or 5 inches apart, and as they advance draw the soil around them until the trench is filled to within an inch of the top. This gives a depth of roots, preserving the moisture. Keep the soil well worked; an occasional soaking being better than a daily sprinkling—but do not sprinkle the vines.

Keep the flowers cut close, which prolongs the season of blooming.

### WHITE

**Giant White**—A gigantic flower of exquisite form and pure color; black seeded. Pkt. 10c; oz. 35c.

**King White**—Remarkable for the glistening purity of the whiteness; large size. Pkt. 10c; oz. 35c.

**Constance Hinton**—A popular black-seeded white-flowered variety. Pkt. 10c; oz. 30c.

### CREAM OR PRIMROSE

**Champagne**—An extremely deep primrose self; large and beautifully frilled; usually four on stems. Pkt. 15c; oz. 50c.

**Dobbie's Cream**—Deep cream or primrose. Pkt. 10c; oz. 30c.

**Floradale Fairy Improved**—The richest cream, large, exquisitely waved. Pkt. 10c; oz. 35c.

**Matchless**—A new cream variety; large and well waved. Pkt. 10c; oz. 35c.

### PINK SHADES

**Radiance**—An appealing shade of La France pink; a magnificent variety. Pkt. 15c; oz. 75c.

**Honor Bright**—Beautiful deep rose-pink on cream ground; enormous size and well waved. Pkt. 15c; oz. 75c.

**Bridesmaid**—Salmon-pink on cream ground, resembling almond blossoms; large. Pkt. 10c; oz. 30c.

**Faerie Queen**—Standard cream with ray of apricot salmon, wings a rich, deep pink on cream. Of great charm and beauty; frilled. Pkt. 15c; oz. 90c.

**Picture**—Bright pink on cream; large and exquisitely frilled. Pkt. 10c; oz. 30c.

**La France**—A charming light shrimp pink. Flowers of great size. Pkt. 10c; oz. 35c.

**Margaret Atlee**—Rose-pink, suffused salmon on cream ground. Pkt. 10c; oz. 30c.

**Mrs. Hugh Dickson**—Rich pinkish apricot on cream ground. Pkt. 10c; oz. 35c.

**Countess Spencer**—A bright clear pink, showing a little deeper at the edges. Pkt. 10c; oz. 30c.

**Hawlmarm Pink**—Rich rose-pink, shaded salmon; large and waved. Pkt. 10c; oz. 30c.

**Hawlmarm Salmon Pink**—Rich deep pink, attractively tinted with salmon and orange; large. Pkt. 10c; oz. 35c.

**Hebe**—Luminous clear pink self; bloom profusely. Pkt. 10c; oz. 30c.

**Renown**—A magnificent clear carmine-rose; large and fluted. Pkt. 10c; oz. 35c.

**Sunset**—Beautiful soft rich rose.

Pkt. 10c; oz. 35c.

**Geo. Herbert**—Rich rosy carmine; large and well waved. Pkt. 10c; oz. 30c.

**Rosalind**—Dainty rosy carmine of enormous size and charmingly waved.

Pkt. 10c; oz. 45c.

**Valentine**—A most pleasing shade of light pink; large and waved. Pkt. 10c; oz. 35c.

**Daisybud**—A dainty combination of apple-blossom tints; waved. Pkt. 10c; oz. 35c.

**Elfrida Pearson**—A lovely blush-pink of large size. Pkt. 10c; oz. 30c.

**Elegance**—A giant delicate blush-lilac.

Pkt. 10c; oz. 30c.

**Sparkler**—Standard bright rose, wings a lovely rosy cream; large. Pkt. 10c; oz. 30c.

### PICOTEE

**Dainty**—White with a distinct pink edge. Pkt. 10c; oz. 30c.

**Cherub**—Deep rich cream, charmingly edged, bright rose, large and free flowering. Pkt. 10c; oz. 35c.

**Jean Ireland**—Cream edged carmine rose; extremely large. Pkt. 10c; oz. 35c.

**Mrs. Townsend**—White with picotee edge of blue. Pkt. 10c; oz. 30c.

### SALMON

**Stirling Stent**—Rich glowing salmon self, suffused with orange. Pkt. 10c; oz. 35c.

**Liberty**—Brilliant glowing salmon with orange cast. Pkt. 10c; oz. 35c.

### ORANGE SHADES

**Electric**—Attractive rich orange-red, suffused salmon; immense size. Pkt. 25c; oz. \$1.50.

**George Sawyer**—Clear, bright orange-salmon; beautifully waved. Pkt. 15c; oz. 60c.

**Fordhook Orange**—A magnificent orange salmon, immense size and well waved. Pkt. 15c; oz. 50c.

**Helen Lewis**—Orange-rose. An old favorite. Pkt. 10c; oz. 30c.

**Tangerine**—Deep orange, flowers of great size and beautifully waved. Pkt. 10c; oz. 45c.

**Sensation**—Dazzling orange-scarlet of startling richness; large size. Pkt. 10c; oz. 35c.

**The President**—A brilliant orange-scarlet of large size. Pkt. 10c; oz. 35c.

**Thomas Stevenson**—Flaming orange-scarlet; standard of deeper color than the wings. Pkt. 10c; oz. 30c.

### CERISE SHADES

**President Harding**—Peach-red; a magnificent and pleasing color; large and waved. Pkt. 15c; oz. \$1.00.

**Charming**—Glowing bright cerise; remarkable size. Pkt. 10c; oz. 40c.

**Glory**—A bright glowing salmon cerise, enormous size. Pkt. 10c; oz. 35c.

**Illuminator**—Glowing cerise shaded salmon. Pkt. 10c; oz. 30c.

### RED SHADES

**Scarlet Duplex**—An intense and bright pure scarlet; giant size and sunproof. Pkt. 15c; oz. 50c.

**Crimson King**—Rich, true crimson of great appeal; large and waved. Pkt. 10c; oz. 45c.

**Charity**—Brilliant crimson; well waved and sunproof; large. Pkt. 10c; oz. 30c.

**Fiery Cross**—Scorching deep cherry-red with an orange scarlet suffusion. Pkt. 10c; oz. 35c.

**King Edward**—Deep rich crimson; does not fade or scorch. Pkt. 10c; oz. 30c.

**Mrs. C. P. Tomlin**—Scarlet with a touch of fiery red; remarkable for its richness and size. Pkt. 10c; oz. 30c.

**Scarlet Glow**—Rich glowing scarlet-red; large and fine form. Pkt. 10c; oz. 30c.

### MAROON

**Ravenswing**—An intense shade of blackish maroon; large and waved. Pkt. 10c; oz. 30c.

**Hawmark Maroon**—Rich reddish maroon; large, well waved flowers. Pkt. 10c; oz. 30c.

**Warrior**—Bronzy maroon; large, well waved blooms. Pkt. 10c; oz. 35c.

### STRIPED

**America**—Ivory-white, distinctly striped with brilliant crimson-red. Pkt. 10c; oz. 30c.

**Loyalty**—Lovely violet-blue flaked on white ground. Pkt. 10c; oz. 30c.

**Senator**—Combination of deep chocolate and claret striped and flaked on heliotrope. Pkt. 10c; oz. 35c.

### LAVENDER AND MAUVE

**Colne Valley**—Giant lavender-blue self; exquisitely frilled. Pkt. 10c; oz. 40c.

**Florence Nightingale**—A soft, clear, rich lavender; a great favorite. Pkt. 10c; oz. 35c.

**Hawmark Lavender**—Delightful pure lavender, beautifully waved. Pkt. 10c; oz. 35c.

**King Mauve**—A pleasing shade of rosy mauve, large and waved. Pkt. 10c; oz. 30c.

**Powerscourt**—A new pure lavender of outstanding merit; mammoth size. Pkt. 10c; oz. 35c.

**R. F. Felton**—Rich lavender of wonderful color and magnificent size. Pkt. 10c; oz. 30c.

**BLUE AND PURPLE**

- Sapphire**—Bright Delphinium blue; charmingly formed flowers. Pkt. 15c; oz. 75c.  
**Blue Monarch**—A splendid dark blue of large size. Pkt. 10c; oz. 35c.  
**Commander Godshall**—Deep violet blue, large and well waved. Pkt. 10c; oz. 35c.  
**New Wedgewood**—Clear blue, large and well waved. Pkt. 10c; oz. 35c.  
**Purple Perfection**—Rich deep purple flowers large and well waved; profuse bloomer. Pkt. 15c; oz. 50c.

**MIXED COLORS**

- Spencer's Mixed**—We have included in this combination nearly all the Spencers, making it a rare treat, and a lasting pleasure to the grower. Those preferring to grow all sorts together rather than separate colors will find this unsurpassed. Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

**CUPID OR DWARF VARIETIES**

- Cupid or Dwarf Sweet Peas**—These make a very pretty edging for walks or flower beds. The bright little flowers are borne in great profusion and make a very pleasing sight. Mixed. Pkt. 10c; oz. 45c.

**PERENNIAL PEAS**

- Perennial Peas** (*Lathyrus Latifolius*)—Free flowering perennials, although lacking in fragrance, are very valuable because they will last almost indefinitely. The vines grow vigorously, often from 8 to 10 feet.  
**Pink Beauty, White Pearl or Red**—Pkt. 15c; oz. \$1.00.

- Mixed Colors**—Pkt. 10c; oz. 85c.

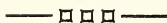
We also carry the early or winter Flowering Spencer Sweet Peas for forcing in separate or mixed colors. Pkt. 15c; oz. 45c; oz. of the mixed 35c.

**KAUFMANN'S EARLY OR WINTER FLOWERING SPENCER SWEET PEAS**

- Aviator**—Dazzling crimson scarlet.  
**Canary Bird**—Rich cream.  
**Early King**—True crimson.  
**Fire King**—Criser scarlet.  
**Glitters**—Bright Orange Scarlet.  
**Lavender King**—Lavender.  
**Snowstorm**—Large pure white.  
**Yarawa**—Rose Pink or Cream.  
**Zvolanek's Rose**—Deep Rose.  
 Pkt. 15c; ½ oz. 25c; oz. 45c.

**NOVELTIES FOR 1929**

- Mary Pickford**—A beautiful dainty cream pink shaded to salmon; is a sturdy grower. Long stout stems. Pkt. 15c; ½ oz. 35c; 1 oz. 50c.  
**Pinkie**—A very lovely clear deep pink variety—with magnificent flowers. New. Pkt. 25 seeds, 25c.  
**Sunkist**—A magnificent large picotee-edged pink cream ground novelty. Pkt. 25 seeds 25c.  
**Hero**—Is an entirely new shade of brilliant clear cerise. Pkt. 25 seeds, 25c.  
**Fluffy Ruffles**—A new type with large blooms of exquisite light cream pink. Pkt. 25c; ½ oz. \$1.25.  
**Gladness**—A beautiful geranium pink shade, very dainty, blooms profusely. Pkt. 20c.  
**Royal Blue**—A true royal blue. Pkt. 25c.  
**Miss California**—A charming tone of cream-pink with a salmon and orange hue. Pkt. 25c; oz. \$1.50.

**VEGETABLE SEEDS****ARTICHOKE**

1 oz. to 500 plants

- GreenGlobe**—Are cultivated for their flowering heads. Pkt. 10c; oz. \$1.00.

- Jerusalem Tubers**—Grown for stock feed. lb. 10c; 50 lbs. 60c.

**ASPARAGUS (Postpaid)**

1 oz. to 500 plants; 1 lb. per acre

- Conover's Colossal**—The standard variety. Pkt. 5c; oz. 20c; lb. \$1.25.

- Palmetto**—Early, prolific, bright green. Pkt. 5c; oz. 20c; lb. \$1.25.

**WASHINGTON—THE NEW RUST-RESISTING ASPARAGUS**—Variety was bred up by the United States Bureau of Plant Industry. Washington and Palmetto Asparagus planted this spring, side by side, we find the Washington has made double the growth over the Palmetto.

Pkt. 10c; oz. 25c; ¼ lb. 75c; ½ lb. \$1.15; lb. \$2.00.

- Asparagus Plants**—Page 37.

**BEANS (Postage Extra)**

1 lb. to 100 ft. drill

- Culture**—After all danger of frost is over, plant in drills 2 feet apart and 3 inches apart in the drills, 2 inches deep. Hoe often to keep down the weeds.  
 Pkt. 10c; ½ lb. 25c; lb. 45c; 10 lbs. \$3.75.

**DWARF GREEN PODDED**

- Burpee's Stringless**—One of the best green-podded varieties, pods round, brittle and stringless.  
**Burpee's Fordhook Bush Lima**—Is a favorite with the majority of truckers and for the home garden we could not recommend anything better.  
 Pkt. 10c; ½ lb. 35c; lb. 50c.

**Early Six Weeks**—A long, green-podded variety; good sort.

**Red Valentine**—Round, meaty pods; very early and practically stringless.

**Black Valentine**—Same as Red Valentine. Seed black.

**Refugee or 1000 to 1**—Vines large and spreading; very prolific; a late sort, excellent for canning.

**Horticultural Cranberry**—Used as a green snap or shell bean, a standard sort.

**Broad Windsor**—(English Horse Bean)—Makes a good green shell bean; very hardy.

## DWARF WAX

**Black Wax**—Pods fairly long, brittle and stringless; clear yellowish white.

**Davis White Wax**—Rustless and immensely productive. Very hardy and one of the best for market gardeners. The dry beans are kidney shaped, clear white, and a favorite for baking and canning.

**Detroit Wax**—Excelling in some respects to any other wax variety. Pods flat, good length and very broad.

**Golden Wax**—Pods long, nearly straight, broad and flat, and golden yellow; improved strain.

**Pencil Pod Black Wax**—Plant grows about 15 inches high, very productive, straight pods about 7 inches long, light golden yellow color; round, meaty and brittle.

**Wardwell's Kidney Wax**—A strong growing vine, long, flat, and purely waxy pods, brittle and stringless; later than the Golden Wax; seed kidney shaped.

## BEANS

### (Pole or Running Green and Wax Podded)

1 lb. to 100 hills

Pkt. 10c; lb. 35c; 10 lbs. \$3.00.

**Kentucky Wonder**—A prolific variety, producing long, tender pods of excellent flavor; one of the best green podded beans for the family garden.

**Kentucky Wonder Wax**—A yellow podded Kentucky Wonder.

**London Horticultural Cranberry Pole Bean**—Used as a green or shell bean; a standard pole sort.

**Large White Lima**—A vigorous grower, bearing large pods from 5 to 8 inches.

**Scarlet Runner**—Vines and flowers, brilliant scarlet pea-like blossoms; a good shell bean. Pkt. 10c;  $\frac{1}{2}$  lb. 25c; lb. 40c.

**Lazy Wife**—Produces long, thick meaty and stringless pods in clusters, easily gathered; an excellent green podded variety.

## BEETS (Postpaid)

1 oz. to 50 ft., 6 lbs. per acre

Pkt. 5c; oz. 15c; lb. \$1.00.

**Culture**—Beets require a rich, sandy loam. Sow in drills one foot to 15 inches apart and when well started, thin to 3 to 4 inches. The seed will sprout better if soaked in lukewarm water 10 to 12 hours before planting.

**Crimson Globe**—Handsome, early or main crop variety, medium size, globe shape, skin smooth, flesh blood red, slightly zoned, never stringy.

**Crosby's Egyptian**—More globe shaped than the Early Egyptian; very early and of fine quality; a desirable variety for the market gardener.

**Detroit Blood Turnip**—An improved strain of the Early Blood Eurnip Beet; remarkably uniform and smooth; fine grained and tender.

**Early Egyptian**—Round, flat shape, dark red color. A good table variety.

**Early Blood Turnip**—An old standard variety; color dark red.

**Eclipse Blood Turnip**—An improved early kind, having a small top and taproot.

The flesh is bright and dark red, tender and sweet. It attains a good size without becoming woody, and is a good keeper.

**Half Long Blood**—One of the best for winter use; never becomes woody.

## SWISS CHARD (Postpaid)

Sow one ounce to 50 ft. of drill

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; lb. \$1.00.

**Swiss Chard, New Savoy Leaved**—(Luculus)—An improved variety of Swiss Chard growing about 2½ feet high; the heavy stalks are over an inch thick and bare for more than a foot of their length. The leaves make the finest of greens.

## MANGEL WURZEL AND SUGAR BEETS (Postpaid)

**Culture**—Same as Beets

Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; lb. 50c; 10 lbs. \$4.50.

**Danish Sludstrup**—Sludstrup is considered the best of all fall mangels. In color it is reddish-yellow and of a distinct type. It contains the largest per cent of nutriment found in any sort. It is very hardy, grows well above ground and is easily pulled.

**Golden Tankard**—The best yellow-fleshed mangel in cultivation. It contains a larger percentage of sugar than the red mangels. It has a small tap root and grows largely above ground; yields enormously.

**Giant Yellow Intermediate or Gate Post**—Roots very large, growing over half out

of the ground; flesh firm and white, sweet and tender; an enormous cropper; small tap roots.

**Giant Feeding Sugar**—This magnificent Sugar Beet, while giving nearly as large a yield of easily grown and harvested roots as a crop of Mangels, supplies a food of very much higher nutritive value, the roots for feeding purposes being really more valuable, pound for pound, than those of the very best strains of Sugar Beet, and the yield under equally favorable conditions being more than double.

**Lane's Imperial Sugar**—An excellent variety and one of the best for stock feeding.

**Mammoth Long Red**—A large variety, producing immense crops. It grows much above ground and is easy to harvest. The flesh is white, shaded with red. Requires deep, loose soil.

**Yellow Globe**—Immense size, fine shape, grained; well adapted to shallow soils.

## BROCCOLI (Postpaid)

**Culture**—Plant the seeds in hotbeds during March and April for an early crop. Transplant in June, in rows 3 to 4 feet apart and the plants about 2 feet apart in the row. For a late crop sow in beds, covering seed  $\frac{1}{2}$  inch deep. A rich soil is the element of success.

**Columbia White**—No other Broccoli can supply the place of our Columbia White for autumn and winter use. The well formed heads are large, white, firm in texture and mature early, to succeed the summer and early autumn Cauliflower, making solid heads frequently weighing 5 pounds, and 10 to 12 inches in diameter. Pkt. 10c; oz. 40c.

**St. Valentine**—Is so nearly related to late Cauliflower that the varieties are often listed under the same head. The St. Valentine is a grand new strain of recent introduction; sure header of immense size. This is the variety handled by the gardeners in our city markets. Pkt. 10c; oz. \$1.50;  $\frac{1}{4}$  lb. \$5.00 lb. \$18.00.

## BRUSSELS SPROUTS (Postpaid)

**Culture**—Same as Cabbage

**Improved Dwarf**—The dwarfest and earliest of all varieties. Sprouts solid and excellent flavor. Those who prefer small sprouts will greatly appreciate the Improved Dwarf. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.

## CABBAGE (Postpaid)

1 oz. to 2000 plants

**Culture**—The soil should be a rich, heavy loam, with good drainage, for the best results. For early varieties sow the seed in hotbeds during the winter months and when large enough transplant about 18 inches apart each way. Late varieties can be sown in the open ground during

the spring months, transplanting about 2 feet apart each way.

**Golden Acre**—It is the earliest cabbage in existence—7 days ahead of Jersey Wakefield. Heads begin to form when the leaves are no larger than a saucer and its rapid growth may be observed almost from day to day. It is perfectly round; average weight 4 lbs. The heads mature all at the same time—so fixed is the type and one head is just like the other, both as to size and shape.

Pkt. 20c; oz. 70c; 4 oz. \$2.10.

**Jersey Wakefield**—One of the best and hardiest varieties; heads solid pyramid shape, with few outside leaves; very hardy and will stand considerable frost.

Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.00.

**Early Winningstadt**—One of the hardiest of the early varieties; heads decidedly pointed; resists cold, wet and pests.

Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. 90c; lb. \$2.75.

**Washington Wakefield**—Fully as early as the Jersey Wakefield and nearly double the size; Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1. lb. \$3.

**Copenhagen Market**—A new variety, which will be very popular with market gardeners. It is the finest large, round-headed early cabbage in cultivation.

Pkt. 5c; oz. 40c;  $\frac{1}{4}$  lb. \$1.40.

**Premium Flat Dutch**—One of the best varieties for the winter market; large, round, flat heads, solid and firm, of good quality. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1; lb. \$2.75

**Red Dutch**—A good variety for pickling; heads round and large.

Pkt. 5c; oz. 40c;  $\frac{1}{4}$  lb. \$1.15; lb. \$3.50.

**Danish Ball Head or Hollander**—This is one of the hardiest cabbages in cultivation. Tall or short stem.

Pkt. 5c; oz. 40c;  $\frac{1}{4}$  lb. \$1.35; lb. \$4.00.

**Drumhead Savoy**—Improved strain; the best Savoy; large heads, tender and sweet; can be grown for either spring or winter use.

Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; lb. \$3.00.

**Cabbage Plants**—See page 37.

**Pe-Tsai** (Chinese or Celery Cabbage)—As a salad it rivals the finest lettuce, or cooked like cabbage or spinach it makes the finest greens. Pkt. 5c; oz. 30c.

## CARROTS (Postpaid)

1 oz. to 125 ft. drill

**Culture**—Sow early varieties as soon as the ground can be worked; late varieties from May to August. The soil should be of a light, sandy loam, well fertilized and deeply dug; sow in drills about 1 foot to 15 inches apart and thin to 5 to 7 inches, according to variety.

**Early French Forcing**—Very early, small, and good flavor; fine for bunching.

Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c; lb. \$1.25.

**Early Scarlet Horn**—Short thick roots, flesh fine grained, color deep orange; an excellent table sort.

**Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.25.**

**Chantenay**—Half long stump-rooted, uniform and perfect in shape; tender and sweet; a good table sort.

**Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.**

**Danvers Half Long**—One of the most generally used carrots, either for the table or stock feeding; a heavy bearer of fine texture, being sweet and tender; color a light orange.

**Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25;**

**New York—(Stump Rooted)**—Tops of medium size; roots cylindrical, smooth, bright orange; becoming yellow in center, but with no distinct core. Of the finest quality and one of the most symmetrical and handsome of the medium-sized sorts; excellent.

**Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.**

**Improved Long Orange**—The best of the long varieties; color orange-scarlet; a heavy cropper, mostly used for milch cows; makes a good table carrot; requires a deep soil.

**Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.**

**Oxheart or Guerande**—The best cropper of the short carrots, either 4 to 5 inches long and 3 to 4 inches thick at the shoulder, slightly tapering, very stump-rooted.

**Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25.**

**Large White Belgium**—Very productive; a good white stock.

**Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.00.**

## CAULIFLOWER (Postpaid)

1 oz. to 3000 plants

A vegetable requiring very rich soil, constant culture, plenty of moisture and careful attention. For early use, sow in hotbeds in January or February and when plants are large enough, transplant; for later use, sow in June and treat as late cabbage. Set plants out 15 to 18 inches apart and in rows 3 feet apart.

**Danish Giant, Dry Weather**—Is an early, large, solid white Cauliflower that can successfully withstand a drought that would prove fatal to other varieties and will thrive splendidly in dry sections, being peculiarly adapted to their growing conditions, but, like all Cauliflower, must have rich soil and cultivation to give best results. Can also be grown under moist conditions and is a dependable market variety. **Pkt. 20c; oz. \$3.00.**

**Early Dwarf Erfurt**—Extra early, forming good, solid, white heads.

**Pkt. 10c; oz. \$2.25.**

**Henderson's Snowball**—The best and most popular early variety; will make uniformly fine heads, even under adverse conditions, **Pkt. 10c; oz. \$2.50.**

**Large Algiers**—Large, fine heads, fine for fall use. **Pkt. 15c; oz. \$1.50.**

**Autumn Giant**—A large, late variety; very hardy heads; well protected by the foliage, keeping it fit for use a long time. **Pkt. 10c; oz. \$1.50.**

**Cauliflower Plants**—See page 37.

## CHIVES OR SCHNITTLAUCH

(Postpaid)

**Chives**—Has a mild flavor of young onions and is used in soups and salads.

**Pkt. 10c; ¼ oz. 35c; oz. \$1.00.**

## CORN SALAD OR FETICUS

(Postpaid)

**Culture**—Sow during August or early September, in drills one-fourth of an inch deep and 6 inches apart. If the weather is dry when the seed is sown, tread it lightly to insure germination. Keep weeds down with hoe. Just before winter cover thinly with straw or leaves.

**Large Seeded**—Leaves tender and grows after being cut. **Pkt. 5c; oz. 20c; ¼ lb. 35c.**

## CELERY (Postpaid)

1 oz. to 5000 plants

**Culture**—Plant in light rich soil, about March; cover the seed about ¼ inch, and firmly press; when 3 inches high, transplant to get good stalky plants, before they are finally set in the garden or field. Celery requires plenty of water from the time the seed is sown until ready for use. To get the best results, they should be grown constantly while young; if you allow them to "stand" they will run to seed later. Always cultivate as soon after watering as the ground is dry enough to work well. Fertilize heavily in the spring and use nitrate later if needed.

**White Plume (Self-blanching)**—A handsome, crisp sort, of easy cultivation. Naturally its stalks and portions of its inner leaves and heart are white. The earliest Celery known.

**Pkt. 5c; oz. 40c; ¼ lb. \$1.35.**

**Golden Self-Blanching**—The most popular variety for early market use; tender, brittle and sweet; inner stems and leaves a golden-yellow when matured; requires very little banking.

**Pkt. 5c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00.**

**Giant Pascal**—One of the best for fall and winter use; the stalks are large, solid, crisp, and of a rich nutty flavor.

**Pkt. 5c; oz. 30c; ¼ lb. \$1.00.**

**Winter Queen**—One of the best varieties for winter and spring use. It is stouter, thicker and heavier, with double the amount of heart of any other Celery; compact growth and blanches to a beauti-

ful cream white; solid, crisp and nutty flavor. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00.

**Celery Plants**—See page 37.

## CELERICAC OR TURNIP ROOTED CELERY (Postpaid)

**Large Prague**—Forms good thick roots; used in soups and stews; has a Celery flavor. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00.

## CHERVIL (Postpaid)

**Curled**—Very finely curled, resembling parsley; used in soups and salads. Pkt. 5c; oz. 30c; 4 oz. \$1.00.

## CHICORY (Postpaid)

**Large Rooted**—Used as a substitute for coffee, and the young blanched shoots are used for salad. Pkt. 5c; oz. 40c;  $\frac{1}{4}$  lb. \$1.35.

**Whitloof**—Known in restaurants as French Endive; treat as Endive, except that late in summer or fall it should be gradually banked up like Celery. The stalks, when blanched, make a delicious salad. It is used by the French as a boiled vegetable. Pkt. 5c; oz. 40c;  $\frac{1}{4}$  lb. \$1.35.

## COLLARDS (Postpaid)

1 oz. to 2000 plants

A species of Cabbage, bearing a large mass of leaves on top of a stout stalk.

**True Georgia**—The well-known variety; forms a very large, loose head; leaves tinted with purple.

Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

## CRESS (Postpaid)

1 oz. to 150 ft. drill

**Curled or Peppergrass**—The leaves are used as a salad; has a warm pungent taste; they should be sown at intervals of two weeks as they are the best when young. Pkt. 5c; oz. 20c; 4 oz. 50c.

**True Water**—Thrives only when the roots and stems are submerged in water. Sow the seed thinly along the banks of any shallow stream early in the spring. Entirely distinct from the Curled Cress. Pkt. 5c; oz. 50c.

## CORN—SWEET OR SUGAR

(POSTAGE EXTRA)

1 lb. to 200 hills

Pkt. 10c;  $\frac{1}{2}$  lb. 15c; lb. 30c; 10 lbs. \$2.50.

**Culture**—Plant in hills, five or six kernels to the hill, 30 inches apart for dwarf varieties and 36 inches for tall varieties in well pulverized soil. Keep well cultivated as plants grow; draw soil toward them.

**Early Minnesota**—Very early of dwarf habit, producing ears of fair size of choice quality.

**Golden Bantam**—A very early variety; ears medium size, thickly set with delicious yellow kernels; quality the best; it has become a favorite with all who have tried it. lb. 35c; 10 lbs. \$3.00.

**Stowell's Evergreen**—The most popular of the main crop varieties; large ears, with twelve to sixteen rows, which keep in good condition for boiling a long time.

**Golden Giant**—This new valuable Sweet Corn with golden-yellow grains, is a cross between the Golden Bantam and Howling Mob, combining the earliness of the Golden Bantam, and size of Howling Mob, usually carrying two 12 to 14 rowed ears on the cob, of exceptionally rich and delicious Sweet Corn.

**Washburn**—An old-timer; rejuvenated variety. The earliest large 14-rowed white corn grown in the Northwest. The flavor and sweetness have not been excelled and the extreme whiteness of the large ears makes it very beautiful and valuable for canning. It is large and the stalks produce more ears than any other variety and have a very heavy husk over the grains, protecting them from insects and keeping the ear fresh a long time after cutting. Pkt. 10c; lb. 40c.

## FIELD, FODDER AND ENSILAGE VARIETIES (Postage extra)

12 to 20 lbs. per acre

Lb. 10c; 10 lbs. 85c. Prices per 100 lbs. on request.

**Minnesota No. 13 Yellow Dent**—The earliest of the early Yellow Dent corns and reported to be the heaviest yielding, producing splendid large ears, closely filled from end to end with bright yellow kernels. Has rather a thick cob and the shelled grains have a tendency to irregularity. "Minnesota No. 13" will average 7 feet high and being a rapid, vigorous grower, with heavy foliage, makes a fine fodder corn, and is especially recommended for ensilage west of the mountains. Will mature in ninety days under favorable conditions.

**Early Yellow Canada**—A flint variety, eight-rowed, very early and productive.

**Leaming Improved**—An early variety. Planted over a greater area than any other.

**Pride of the North**—An early Dent variety. The kernels are long and of a beautiful color. A quick grower, thriving where the seasons are short.

**Red-Cob Ensilage**—Abundant herbage; tall growth.

**Northwestern Dent**—This is a red corn with yellow dent or cap, and in high altitudes and the northern sections, where seasons are short, will often mature a crop when other varieties fail. Splendid for foliage.

**White Rice Popcorn**—A very handsome and prolific white variety. The ears are five to seven inches long. The kernels are long pointed and somewhat resemble rice.

Pkt. 10c; lb. 25c; 10 lbs. \$2.00.

## CUCUMBERS (Postpaid)

1 oz. to 50 hills

Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; lb. \$1.75.

An early crop of Cucumbers can be had each year by planting the seeds in a box, pots or a piece of sod so that they can be readily transplanted without checking the growth. For outside planting the ground should be prepared and put in good condition, and the seed should be planted when the ground gets somewhat warm, and about an inch deep, and in hills slightly raised above the level of the ground about 4 feet each way. We also recommend planting 3 or 4 times as much as needed, and then thin out to 3 or 4 strong plants to each hill, as the insects attack which are the weakest; give thorough cultivation and fruit should be gathered and not allowed to ripen on the vine, as this reduces production. The cucumbers are ready for use in about 2 months after planting.

**Improved White Spine**—A dark green variety, turning white when ripe; fruit straight and of even shape, tender and crisp; fine for forcing.

**Boston Pickling**—A distinct variety; color bright green, and a good producer; makes excellent pickles.

**Davis Perfect**—Unequaled for color, shape and productiveness. Mr. Eugene Davis, the originator, also the originator of Grand Rapids Lettuce and Davis White Wax Bean, says: "I have been experimenting for several years and have at last succeeded in fixing a perfect type, combining quality, shape and color and productiveness. The quality is fine, very tender and brittle and with very few seeds; altogether an exceptionally fine table variety."

**Lemon Cucumber**—This dainty little cucumber resembles a lemon, both in form and color, having a distinctive flavor superior to and not found in any other cucumber. The Lemon Cucumber is so prolific that a single vine will be ample for the needs of the average family. It is also said that the Lemon Cucumber can be eaten without fear of the harmful results that some experience from eating cucumbers.

Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.50

**Early Frame**—Plants vigorous and productive; fruit straight, bright green, tender and crisp; makes excellent pickles.

**Early Green Cluster**—Vines vigorous, producing the bulk of the crop in clusters; fruit short and uniformly thick, and ends crisp and of good flavor.

**Extra Early Long Green**—Similar to the Long Green, but about two weeks earlier.

**Japanese Climbing**—Forms long fruit of rich dark green color; flesh white crisp, and of fine flavor; the best variety for training to trellis.

**West Indian Gherkins**—An extremely small fruited variety used extensively for pickles. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

## EGG PLANT (Postpaid)

**Culture**—Egg Plants require a warm soil and climate, and will not give satisfaction where cool nights prevail; they require the same treatment as Tomatoes; as the seed is slow to germinate, they should be started under glass with moderate high temperature.

**New York Improved**—The leading variety; fruit large, oval and fine flavor.

Pkt. 5c; oz. 65c.

**Black Pekin**—Fruit nearly round; skin smooth and almost black. Pkt. 5c; oz. 65c.

## ENDIVE (Postpaid)

1 oz. to 100 ft. of drill

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c.

This is a hardy vegetable, cultivated principally for a winter salad. Sow from May until August for a succession of crop; tie the leaves closely together to blanch them.

**Green Curled**—Very curly; a favorite sort for winter.

**White Curled**—Leaves pale green; grows to a large size; always crisp and tender.

**Broad-Leaved Batavian**—A variety having wide, thick leaves, straight at the edges and curved toward the center, color dull green.

## KALE OR BORECOLE (Postpaid)

1 oz. to 200 ft. drill

Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c.

**Culture**—Cultivate the same as for cabbage, of which it is a species, forming a mass of curly leaves. Seed can be sown in September and be ready for use in winter; very hardy and improved by frost.

**Dwarf Green Curled**—Leaves bright green curly and tender.

**Thousand Headed**—See Field Seeds page 39.

**Tall Green Scotch**—Grows about  $2\frac{1}{2}$  feet high; leaves dark green; very hardy; will stand the winter.

**Jersey Winter Kale or Marrow Cabbage, White.**

**KOHL-RABI (Postpaid)**

1 oz. to 150 ft. drill

Pkt. 5c; oz. 25c; lb. 75c.

An excellent vegetable for any garden, and used more extensively each year; forms a bulb above the ground, which should be cut while young, as it becomes tough and stringy if allowed to remain too long. Sow as soon as the ground can be worked, in drills 18 inches apart; thin to 8 inches.

**Early White Vienna**—Standard market sort; flesh white and tender.

**Early Purple Vienna**—Bluish-purple, similar to the white except in color.

**LEEK (Postpaid)**

1 oz. to 100 ft. drill

Cultivate the same as for Onions, except they should be hilled up to blanch. Is preferred by many for soups and stews on account of its mild flavor.

**American Flag**—A large, strong-growing variety, of good flavor; the standard market sort. Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00.

**LETTUCE (Postpaid)**

1 oz. to 100 ft. drill

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 60c; lb. \$1.75.

**Culture**—Sow as soon as the ground is in condition, at intervals of two weeks during the season, in drills 15 inches apart; drop seed about  $\frac{1}{2}$  inch deep; when large enough thin to 8 to 10 inches. Lettuce does well in most any good garden soil.

**Black Seeded Simpson**—Has a large mass of fine, brittle leaves of slight green color; it is larger and less curled than the Early Simpson; remains tender a long time.

**Big Boston**—A light green cabbage variety, slightly tinged with brown in the head. A popular market sort.

**California Cream Butter**—Forms large head which is very buttery and of a rich golden-yellow inside; bright green variety and a good shipping sort.

**Early Curled Simpson**—An early variety of dwarf compact habit, crisp, golden and finely curled leaves.

**Grand Rapids**—One of the best for forcing; its light green color makes it very attractive.

**Improved Hanson**—One of the best large-heading varieties; crisp and brittle; leaves curl and flavor excellent.

**New York**—This is the mammoth head lettuce so popular in Washington, from whence it is shipped to the Eastern market, arriving in splendid condition. The immense heads are solid, heavy, beautifully blanched to a creamy white, with

bright green outer leaves. The quality is unsurpassed, being tender, crisp and sweet.

Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. \$1.00 lb. \$3.00.

**Prize-Head**—One of the best loose bunching varieties. Leaves tinged with red; grows quickly.

**Paris Cos or Romaine**—A distinct variety forming upright heads.

**Chicken Lettuce**—This variety of lettuce should not be confused with the regular heading or loose-leaved varieties. The plant grows very much like kale, to a height of four or five feet, with much growth of leaf. It is used mostly for chicken and rabbit feeding. It absolutely does not head; seldom used for table purposes. The wonderful leaf growth makes it ideal green food for chickens, etc.

Pkt. 5c; oz. 20c; lb. \$1.50.

**MELONS—MUSK (Postpaid)**

1 oz. to 60 hills

Melons require a light, rich, sandy soil and should not be planted until all danger of frost is over. Plant in hills 8 feet apart and 1 inch deep, 6 to 8 to a hill, and when plants are well established thin to 3 plants.

**Burrell's Gem**—Skin dark green, flesh orange salmon; sweet and firm, ripening close to the skin.

Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 65c; lb. \$1.50.

**Honey Dew**—Small, oval fruit with light colored rind. The light green, tender flesh has a most delicate flavor.

Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.00.

**Rocky Ford, or Netted Gem**—Fruit oval, slightly ribbed, densely covered with coarse netting. Flesh thick, green, very sweet.

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.50.

**Osage, or Miller's Cream**—Medium size, green oval slightly ribbed. Flesh salmon.

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 45c; lb. \$1.50.**MELONS—WATER (Postpaid)**

1 oz. to 30 hills

Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c.

**Peerless**—Rind thin light mottled green; flesh red and solid to the core; a good early variety.

**Kleckley's Sweet**—A splendid sort for home use or near markets. Vine vigorous and productive; fruit of medium size; color dark, mottled green in two shades, forming indistinct stripes. Flesh a beautiful bright rich red.

**Citron**—(Red or Green Seeded)—Round and handsome; for preserving only.

**MUSTARD (Postpaid)**

The leaves make excellent greens of sharp, pungent flavor, and are cooked the

same as Spinach. Sow the seed in early spring in drills at intervals to secure a constant supply of fresh greens.

**White English**—A light green variety with tender leaves, seeds light yellow.

**Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 90c.**

**Giant Southern Curled**—A large variety, forming a large mass of finely curled leaves. **Pkt. 5c; oz. 15c; ¼ lb. 30c; lb. 90c.**

### ONIONS (Postpaid)

**Culture**—For the best results in Onion growing, the soil should be deep and rich; bottom land, rather loose texture being preferred. Sow 2½ to 3 lbs. per acre, as early in the season as the ground can be put into proper condition, using our "Wil-grow" fertilizer or manure supplemented with Bone Meal, Murate of Potash, and in some cases Nitrate of Soda, the latter often being used after the plants are up. See page 40.

**Red Wethersfield**—A large, red variety of superior keeping qualities, deep purplish red, slightly flattened.

**Pkt. 5c; oz. 30c; ¼ lb. 85c; lb. \$3.00.**

**Yellow Globe Danvers**—A good, hard, firm flesh variety; fine grained, almost globe shape, with small neck; a good keeping and shipping onion.

**Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$3.25.**

**White Globe**—A handsome white globe-shaped variety; flesh fine, very white, rich and sweet.

**Pkt. 5c; oz. 40c; ¼ lb. \$1.25; lb. \$4.00.**

**Australian Brown**—An extra early, sure bottoming variety; resembles the Danvers in size and form; very solid; of brown color; fine keeper.

**Pkt. 5c; oz. 30c; lb. \$2.50.**

**Yellow Flat Danvers**—An old standard variety; color bright orange-yellow; very hardy and a sure cropper.

**Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$3.50.**

**White Portugal**—The most popular of the onions; flat on the bottom and thick toward the top; used most exclusively for bunching.

**Pkt. 5c; oz. 40c; ¼ lb. \$1.00; lb. \$3.50.**

**Ailsa Craig**—The largest and heaviest cropping yellow onion.

**Pkt. 10c; oz. 50c; lb. \$4.00.**

**White Queen**—A very early, small white onion, of mild flavor; fine for pickling.

**Pkt. 5c; oz. 40c; ¼ lb. \$1.35; lb. \$4.00.**

**Prizetaker**—A large globe variety, of mild flavor, with light yellow skin and white flesh. **Pkt. 5c; oz. 35c; ¼ lb. 85c; lb. \$2.75.**

### ONION SETS (Postage extra)

1 lb. to 40 ft. drill

White Onion Sets, lb. ....	15c
Yellow Onion Sets, lb. ....	15c
Egyptian Sets, lb. ....	15c
Shallots, lb. ....	15c

### OKRA (Postpaid)

**White Velvet**—Very productive and superior in flavor to any other variety.

**Pkt. 5c; oz. 15c; 4 oz. 40c;**

### PARSNIPS (Postpaid)

1 oz. to 100 ft. drill

**Pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.50.**

Parsnips thrive best on a rich, sandy soil, deeply dug; sow early in the spring in drills 18 inches apart; as they are improved by frost they should be left in the ground for spring use.

**Hollow Crown**—Roots white and tender with a smooth, clean skin.

**Sweet Marrow**—Roots smooth and very fine grained, sweet and tender; the best for the family garden.

### PARSLEY (Postpaid)

**Pkt. 5c; oz. 15c; ¼ lb. 50c; lb. \$1.25.**

Used for garnishing in green state; can be dried and rubbed into a powder for winter use. Sow in drills one foot apart and half an inch deep. Seed slow to germinate; should be soaked in tepid water a few hours before planting.

**Double Curled**—Very finely curled, of dark green color; fine seasoning.

**Triple Curled**—A popular dwarf variety; finely curled.

**Moss Curled**—A moss curled variety of green color and very ornamental; the best for garnishing.

**Turnip Rooted**—The roots are the edible portion, and are used in soups and stews.

### SEED POTATOES

Do not work the soil when it is wet, as this has a tendency to make it lump and bake and may put it in such shape that nothing can thrive in it. Wait until it is just dry enough to crumble away nicely when turned over, and if you will press the dirt firmly down on the seeds, getting right in the row and tramping the soil down with your feet, they will germinate quickly even in comparatively dry soil. Any extra work in carefully preparing the soil will more than repay you in the increased results, and always remember that constant and thorough cultivation is almost equal to water and fertilizer both, and will insure a good crop even in a dry season, and on ordinary soil.

**Early Ohio**—Oblong shape, pink skin, shallow eyes; can be marketed before fully matured.

**Early Bovee**—Best of the early sorts, maturing before Early Rose, and more productive. Fine quality, color pinkish and uniform size.

**Early Rose**—A popular early variety which gives satisfaction in most all sections.

**American Wonder**—An early, pure white, handsome appearance, splendid quality and very productive.

**Irish Cobbler**—A large potato and a heavy yielder. Tubers round and slightly flattened; flesh white and cooks dry and mealy. It is very popular in this section, both for early and late planting. The vines are vigorous and make a healthy growth.

**Gold Coin**—A good main crop variety, slightly oblong; the eyes are small, skin thin, flesh fine grained and cooks dry and mealy.

**Burbank**—A well-known and fine late variety, oblong in shape, skin white and very smooth, flesh fine grained.

**Netted Gem**—Russet rough skin, oblong in shape; excellent for baking.

**Owing to the unsettled market on Potatoes we have omitted prices. Drop us a postal—we will quote the market prices.**

## PEAS (POSTAGE EXTRA)

Pkt. 10c;  $\frac{1}{2}$  lb. 15c; lb. 30c; \$18 cwt.  
1 lb. to 50 ft. drill

A light, dry soil is best for peas, although they succeed in most any ground. On too rich soil they have a tendency to run to vines. Plant dwarf varieties in drills 2 feet apart and tall sorts 3 feet apart, cover about 3 inches. Hoeing will well repay the time and trouble. Wrinkled sorts are marked with an asterisk (\*).

**Alaska**—Pods well filled with medium size bluish-green peas, of excellent flavor; extra early. Pkt. 10c; lb. 25c.

**Little Marvel\***—The vines average 15 inches in height, are heavily set with fine pods; produce in pairs; average  $2\frac{1}{2}$  inches in length. Peas are of best quality.

**American Wonder\***—The best dwarf wrinkled variety, for all purposes; prolific, bearing short, well-filled pods, containing 6 to 7 large, exceedingly sweet, tender and fine flavored peas.

**Dwarf Gradus\***—An excellent dwarf variety, early; about 2 feet high; a wrinkled pea; pod about 4 inches; pods well filled.

**Thos. Laxton\***—This is a very early wrinkled variety of great merit; the vines are vigorous, of medium height, similar to those of Gradus, but darker in color, harder and more productive. The pods are large, often four inches long.

**Laxtonian\***—A new, early, dwarf, robust, large podded pea of superior excellence; often referred to as "Dwarf Gradus" and is said to surpass Gradus in yield and quality, with the added advantage of dwarf growth, averaging 16 inches. The large pods are well filled, holding 8 to 10

peas. Laxtonian is so highly recommended that you should give it a trial.

**Gradus or Prosperity\***—The best of the large early peas; very hardy; can be planted almost as early as the smooth varieties; pods are large and well filled with fine dark green, wrinkled peas of the finest quality; vine of medium height, but very stocky, with very broad light green leaves and bearing an abundance of large, handsome pods. Four feet high.

**Dwarf Telephone\***—The vines are vigorous, of a branching habit and bear immense quantities of large, dark green pods, containing from 8 to 10 fine flavored peas; a favorite with the market gardeners; 2 feet high

**Teddy Roosevelt\***—Resembles the Telephone in color of pod and foliage and habit of growth, but the pods are large and shell out nearly twice as many peas; 5 feet high

**Alderman\***—This is a fine, high-bred pea, of rich green color; pods 5 to 6 inches long; the best for canning; height 5 feet.

**Telephone, Tall\***—A great favorite with our market gardeners. Immensely productive, of the finest quality and excellent, sugary flavor; vines strong; the pods are of large size filled with large, luscious peas; height 5 feet.

**Tall Gray Edible Pod**—Vines grow 4 feet high, with purplish blossoms; the pods are edible and cooked like beans. Pkt 15c; lb. 30c.

**Mammoth Melting Sugar**—This is the best known edible podded pea. The vines reach a height of 6 to 7 feet. The whole be gathered when the seeds are filling pod is fleshy and tender. The pods should be gathered when the seeds are filling inside of the pod. Pkt. 15c;  $\frac{1}{2}$  lb. 20c; 1 lb. 35c.

## PEPPER (Postpaid)

Pkt. 5c; oz. 60c. 1 oz. to 1500 plants

Sow seeds in hotbeds and when the weather becomes warm plant in warm, mellow soil in rows 18 inches apart and 12 inches apart in the rows.

**Large Bell or Bull Nose**—A large, mild, thick-fleshed variety, the best for making stuffed pickles.

**Ruby King**—A large scarlet fruit of mild flavor. Vigorous growing plants, producing from 8 to 16 handsome fruit.

**Pimento Pepper**—This is a sweet pepper, one that you will enjoy eating in salad, either fresh or canned. Very thick flesh, wonderfully mild flavor.

**Red Chili**—A very pungent variety. Grows about 2 inches long, measuring from one-third to one-half inch at the base and tapering down to a point.

**Cayenne**—Pods small, long and tapering; coral red when ripe; very hot and strong; best kind for seasoning pickles; the Cayenne Pepper of commerce.

## PUMPKIN (Postpaid)

1 oz. to 30 hills

Pumpkins take the same treatment and soil as the melons. Care should be taken to keep them from other vining plants, as they hybridize easily.

**Sugar or Pie**—A small round yellow variety, flattened on the ends; flesh fine grained, sweet and prolific. **pkt. 5c; oz. 15c; ¼ lb. 40c.**

**Large Cheese**—Grows to large size, flat and round, skin mottled light green and yellow; flesh very thick, sweet and nutritious. **Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.**

**Connecticut Field**—A large orange colored field variety, vines vigorous and productive; makes excellent pies and is a good keeper. **Pkt. 5c; oz. 20c; ¼ lb. 40c; lb. \$1.**

## RADISH (Postpaid)

**Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.10.**

1 oz. to 100 ft. drill

Sow early in the spring in rows 10 inches apart, and at intervals of ten days for a succession. The winter varieties sow in August and September. The soil should be light and rich, as a crisp radish can not be produced in heavy soils.

**Early Scarlet Turnip**—A small turnip-shape variety, valuable for forcing or outdoor culture; short tops.

**Early Scarlet Turnip, White Tipped**—The leading market sort, tender and crisp; scarlet with white tip; short tops.

**Crimson Giant**—Extra large, turnip shaped.

**French Breakfast**—Grows about 2 inches long with a decided stump root; color bright scarlet with lower end and tap root white, tender and crisp.

**Long Brightest Scarlet**—Long, uniformly straight, smooth, crisp and tender; excellent for the garden or market.

**Sparkler**—A very handsome turnip-shape variety. Upper half is bright scarlet and lower half a sparkling white; is a good forcer and sells especially well in the market. **Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.25.**

**Half Long Scarlet, White Tipped**—An especially fine radish, color scarlet, shading to white at the tip; flesh very crisp and tender; a good market sort.

**White Icicle**—The finest pure white long variety; very early, with smooth symmetrically shaped roots. The radish is not only crisp and tender when young, but reaches a large size.

**White Vienna (Lady Finger)**—Pure white, long, tender, sweet and crisp, a rapid grower.

**Round Black Spanish**—Slightly oval in shape, flesh solid and firm. A good winter sort for slicing.

**China Rose Winter**—A half-long, bright scarlet, stump-rooted winter variety; flesh firm and crisp and does not grow pithy until it runs to seed.

**California White Mammoth (Celestial)**—A well-known and popular winter variety, flesh and skin transparent white.

## RHUBARB (Postpaid)

**Pkt. 5c; oz. 20c; lb. \$1.75**

Rhubarb requires a rich soil, deeply dug. Sow in drills 18 inches apart and thin to 3 feet in the rows. We recommend planting the roots, as it takes four years to produce a crop from the seed.

**Victoria Giant**—Very large, later than the Linnaeus.

**Rhubarb Roots**—See page 37.

## SALSIFY

1 oz. to 100 ft. drill

Sow early in drills 12 inches apart, 1 inch deep, in a light, rich, sandy soil; when about 3 inches high thin to 6 inches apart. Takes the same cultivation as Carrots. Mashed and fried, the flavor is much like the oyster.

**Mammoth Sandwich Island**—The leading variety; large, smooth, straight and of superior quality. **Pkt. 5c; oz. 30c; ¼ lb. 90c; lb. \$2.00, postpaid.**

## SQUASH (Postpaid)

**Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25.**

1 oz. to 25 hills

**Culture**—Sow in hills in the same manner and at the same time as cucumbers and melons, the bush varieties 3 to 4 feet apart, the running kinds from 6 to 9 feet apart.

**Early White Scalloped Bush**—A very early variety, bearing creamy-white scalloped squashes, 4 to 6 inches in diameter, known as the patty-span.

**Early Yellow Scalloped Bush**—Similar to the white, except that the color is yellow and not quite so early.

**Mammoth Summer Crookneck**—A large, golden-yellow variety, thickly warted; tender and brittle.

**Delicious**—A dark green variety, with thick orange-colored flesh, cooking very dry and mealy; can be used in the fall, but is at its best in the winter.

**Delicata**—Can be used as a summer or winter variety. Matures about the same time as the summer sort. The quality is rich and dry, being very solid and heavy, with small cavity and fine flavor. Color orange-yellow splashed with striped dark green.

**Italian Vegetable Marrow** (Cocozella)—The vines are of bush habit and produce large, much elongated fruits, dark green at first but as they mature become marbled with yellow and lighter green stripe. The fruits are in best condition for table when 6 to 8 inches long, but can be used somewhat larger.

**True Hubbard**—Fruit oblong and pointed, heavily warted, dark green with orange colored flesh which is exceedingly dry, either baked or boiled; remarkably good keeper.

**Golden Hubbard**—Shape same as old-fashioned Hubbard, but skin is rich orange color. The flesh is deep golden yellow.

**Boston Marrow**—Skin thin, reddish-brown, flesh orange and fine grained, and of excellent quality.

**Fordhook**—A most desirable running variety, both for summer and winter use; vigorous, wonderfully productive vines. The fruits are oblong, measuring 8 to 10 inches in length; smooth, light yellow thin skin. The flesh a pleasing straw yellow.

**Vegetable Marrow**—The true English strain; cream color, merging into deep yellow white flesh; about 9 inches long.

### SPINACH (Postpaid)

Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 60c

1 oz. to 75 ft. drill

Sow early in drills one foot apart; plant every two weeks for a success. For fall and winter use sow in August and September. The richer the soil the larger and more tender the leaves.

**Long Standing**—A deep green variety, with rather elongated smooth leaves; stands a long time without running to seed.

**Prickly or Winter**—Very hardy, smooth and narrow shaped; seeds prickly; an excellent fall and winter variety.

**Round Thick-Leaved**—Leaves large, dark green, rather smooth and round at the top.

**New Zealand**—Best for hot weather. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c.

**King of Denmark** (Also known as **Antvorsky**)—This new variety undoubtedly the most valuable introduction of Spinach in recent years. Although the plants are ready for use almost as soon as the medium sorts, they remain in good condition

from one to two weeks after the other sorts have gone to seed. The plants are of rapid growth, resembling the long season in type but leaves are more crumpled or blistered and are of a deeper green color. The leaves are thick, stand well after cutting and are of the finest quality. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 30c; lb. 75c.

### TOMATO (Postpaid)

Pkt. 5c; oz. 35c;  $\frac{1}{4}$  lb. \$1.25

1 oz. to 2000 plants

Sow in hotbeds in March and as soon as the plants have two or three leaves transplant to cold frames. When all danger of frost is over, plant in hills 4 feet apart each way.

**"Burbank" Tomato**—The originator describes it as the earliest, smoothest, most productive and best early tomato; color bright crimson; thick, smooth and firm, with few seeds. Unusually heavy and of the finest quality. Keeps well; a good shipper; a prolific, continuous bearer; has the unusual and remarkable feature of being easily peeled, the skin slipping readily from the rich, firm flesh. Resistant to wilt and other diseases. Pkt. 10c; oz. 50c;  $\frac{1}{4}$  lb. \$1.50.

**Comet—Forcing**—The very best forcing variety, and a general favorite with greenhouse growers. Color is a beautiful scarlet; fruits are of good size, very smooth and uniform.

**Dwarf Champion**—A dwarf and compact variety, sometimes called the tree tomato on account of its ability to stand alone without trellising; very early and smooth, solid meat; has no hard core.

**John Baer**—A wonderful new variety in that it is early and bears continuously throughout the season. The fruit is large, smooth, uniform and will ripen clear to stem. The flavor and quality are especially fine. Color bright scarlet.

**Ponderosa**—The largest tomato; fruits are solid and of a purplish red color, sweet and of good quality.

**Spark's Earliana**—A perfect early tomato, almost seedless and very solid; a vigorous grower and very prolific; ripens thoroughly all over; color bright scarlet; one of the best varieties for this section.

### SALAD AND ORNAMENTAL VARIETIES

**Red Peach**—A small variety resembling a red peach; very ornamental. Pkt. 5c; oz. 50c.

**Red Cherry**—Fruit small and globe-shape, color bright scarlet and very ornamental; valuable for preserving. Pkt. 5c; oz. 50c.

**Yellow Plum**—A plum-shape variety, growing in culsters; fruit yellow and of good flavor. **Pkt. 5c; oz. 50c.**

**Yellow Pear**—Similar to the above, only pear-shape. **Pkt. 5c; oz. 50c.**

**Husk or Ground Cherry**—A small variety that is covered by a loose covering or husk. The true edible variety is yellow and is used for preserves. **Pkt. 5c; oz. 50c.**

**Tomato Plants**—See Page 37.

## TURNIP (Postpaid)

**Tomato Plants**—Page 16.

**Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00**

**1 oz. to 150 ft. drill**

Turnips do best in highly enriched, light sandy soil. Sow as early as the ground can be worked for early turnips and late for late crops in July, August and September, in drills 18 inches apart and 1 inch in depth. Thin to 6 inches apart in the rows.

**Snowball**—A very early and the most perfectly formed round white turnip. It has a short top and a single tap root; flesh snow-white, solid and sweet.

**Early White Milan**—A pure white, extra early flat variety, tender and sweet; a good family sort. **Pkt. 5c; oz. 20c; lb. \$1.50**

**Early Purple Top Milan**—A very early variety; tops small, erect and of straw-leaved type; bulb white with a deep purple top; flesh white, firm and fine grained. **Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. 1.50.**

**Golden Ball or Orange Jelly**—Medium size, globe shape, flesh firm, fine grained and sweet; the finest flavored and best of the yellow turnips.

**Cow Horn**—A distinct variety resembling the carrot more than the turnip; it is long and white with a dash of green at the crown; of rapid growth; has proven itself a good stock turnip in this section.

**Purple Top Strap Leaf**—A leading white-flesh variety with purple top; flesh firm, tender and of rich flavor.

**Purple Top White Globe**—A valuable sort for either table or stock feeding; roots globe-shape, white; a good fall turnip.

**White Egg**—A medium size oval or top shaped variety of quick growth; flesh firm, tender and sweet; a good fall turnip.

**Yellow Aberdeen**—A winter variety of medium size, generally used for stock feeding; yellow with purple top; flesh light yellow, firm and sweet.

**Petrowski or Alaska**—A most distinct variety of early maturity. The flat roots average two and one-half to three inches in diameter and the skin is a rich, deep orange-yellow, very smooth and entirely free from small rootlets. The firm, solid flesh is fine grained, crisp, light orange-yellow in color and has a tasty flavor. **Pkt. 5c; oz. 20c; lb. \$1.25.**

## RUTA BAGA OR SWEDES

**Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00**

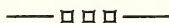
**1 oz. to 150 ft. drill**

**Cultivation Same as Turnips**

**American Purple Top**—The most popular variety; grows to immense size, and a heavy yielder; flesh yellow, firm and of good flavor.

**Yellow Swede**—A large yellow variety of good quality; flesh firm and solid; globe shape.

**Sweet Russian**—A white-flesh Ruta Baga; very hardy; solid, fine grained and tender.



## AROMATIC, MEDICINAL AND POT HERBS

Those marked with a (\*) are perennial.

**Anise**—The seed being especially used for seasoning food. **Pkt. 10c; oz. 35c.**

**Basil Sweet**—Leaves are used for seasoning soups, meats and salads. **Pkt. 10c; oz. 50c.**

**Caraway**—Seed used in flavoring bread, cakes, etc. **Pkt. 5c; oz. 15c.**

**Catnip\***—Leaves used for medicinal purposes. **Pkt. 10c; oz. \$1.00.**

**Coriander**—Seed used in flavoring pastry, confectionery, etc. **Pkt. 5c; oz. 20c.**

**Dill**—Seed and foliage used for seasoning, also as medicine. **Pkt. 5c; oz. 25c.**

**Fennel Sweet\***—Leaves used both green and dried in seasoning. **Pkt. 10c; oz. 60c.**

**Horehound**—Leaves used for medicinal purposes. **Pkg. 5c; oz. 35c.**

**Marjoram Sweet\***—Leaves used both green and dried in seasoning. **Pkt. 5c; oz. 50c.**

**Mint**—Leaves used for flavoring meats and fruit julep. **Pkg. 10c.**

**Peppermint for Flavoring**—**Pkt. 10c.**

**Rosemary for Flavoring**—**Pkt. 10c.**

**Sage\***—Used extensively for seasoning. **Pkt. 5c; oz. 40c.**

**Savory Summer**—Leaves and stems used in flavoring. **Pkt. 5c; oz. 60c.**

**Savory Winter**—Leaves and stems used dry for seasoning. **Pkt. 5c; oz. 40c.**

**Thyme\***—An aromatic herb, used for seasoning. Sow early. **Pkt. 5c; oz. 60c.**

**Tarrogon**—Used for pickling. **Pkg. 5c; oz. 60c.**

## VEGETABLE PLANTS — ROOTS

**Asparagus**—1-year-old plants. Per doz. 35c; per 100, \$1.75. Larger plants—Per doz. 50c; per 100, \$2.50.

**Celery**—Leading kinds. Per doz. 20c; per 100, \$1.50.

**Cabbage**—Early or late kinds. Per doz. 15c; per 100, 75c.

**Cauliflower**—Early Snowball plants. Per doz. 25c; per 100, \$1.50; per 1000, \$13.50.

**Chives**—10c each; \$1.00 doz.

**Horseradish Roots**—Per doz. 25c; per 100 \$2.25.

**Tomatoes**—Leading kinds. Per doz. 25c; per 100, \$1.75.

## RHUBARB

**Mammoth**—Divided roots, 25c each; \$2.50 doz. Large clumps, 35c, 50c and \$1.00.

**Wagner's Crimson Giant**—Divided roots; each 25c; \$2.50 doz.

Add 25% to cover postage on plants.  
Alaska, higher.



## A BEAUTIFUL GREEN LAWN

The quiet green of a soft and velvety lawn lends a restful and refreshing touch to the home grounds. The lawn is a perennial feature and if properly cared for lasts almost indefinitely.

### *How and When to Make a Lawn*

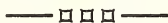
The proper time to make a lawn is either late spring or summer. By deep spading, completely reversing the soil and thoroughly raking it, so it is loose and friable.

One week before seeding broadcast for every 1250 square feet 25 lbs. of Wilgrow Fertilizer and rake in the soil, after which sprinkle every day for one week. This will give the fertilizer an opportunity to thoroughly amalgamate with the soil and give that beautiful green appearance so much sought after. This will also correct sour soil and keep your lawn free from moss. Before seeding broadcast and rake in equal number of pounds of white rye grain, that you use of Lawn Grass. As rye grain sprouts quickly and breaks the soil in case it crusts over, also gives the fine lawn grasses an opportunity to start at once, it also shades the tender grass seed blades. Immediately after raking in the rye grain, the grass seed should be sown. The best method is to take half of the grass seed and broadcast it across the lawn, walking backwards; then take the balance and broadcast lengthways. After the seed is sown do not rake it in but roll it, or tamp it with the back of a hovel. Sprinkle lightly so as not to float the seed.

While the seed is germinating the grass is tender. Extra precaution should be used not to allow the ground to dry out, especially during the dry weather. Sprinkle two or three times a day.

Commence cutting as soon as you can see the furrows of the lawn mower. Cut often, leaving the clipping on the ground. This acts as a mulch and holds the moisture and also acts as a fertilizer.

After the lawn is established, it should be thoroughly soaked once a week.



## GOLF, LAWN AND PASTURE MIXTURES

Grass, and especially Clover, seeds are divided into three or four grades and sold to the trade by samples. The varieties we offer are of the highest germinating qualities, and are not to be classed with cheaper grades. Prices quoted are those prevailing when this catalog goes to press (January 25). When wanted in quantity write for prices and samples, as they are subject to market changes.

**Standard Lawn Mixture**—This is a first-class mixture made of the best and cleanest grades of those varieties used and best adapted to general lawn purposes. It's the

fastest growing mixture on the market. **Lb. 60c.**

**Velvet Turf**—A well blended and carefully prepared mixture of the finest dwarf growing grasses that will produce a permanent thick and velvety sward of grass in four to six weeks. It is improved both in root growth and firmness of texture by frequent mowing. When an especially fine lawn is desired we recommend it as the best mixture. Sow one pound to 200 square feet of lawn. **Lb. 75c; 10 lbs. \$7.25.**

**Shady Lawn Mixture**—This is a selection of fine grasses of hardy nature which thrives under the shades of trees or buildings. **Lb. \$1.00.**

**Golf Link Mixture**—This is composed exclusively of hardy perennial fine mixed grasses which will stand frequent close cutting and tramping; is suitable for high, dry or damp bottom land. **Lb. \$1.50.**

## PERMANENT PASTURE MIXTURE

**Upland**—Italian Rye, Orchard, Tall Oat, Sheep Fescue, Canadian Blue Grass, Red Clover, White Clover. **Lb. 40c.**

**Bottom Land**—Italian Rye Grass, Meadow Fescue, Orchard Grass, Tall Oat Grass, Red Clover, Alsike Clover, White Clover. **Lb. 40c.**

Number pounds per acre, 20. Write for prices on quantities.

## GRASSES

**Agrostis Canina** (Rhode Island Bent Grass)—Resembles the Red Top, but is of dwarf habit with shorter and narrower leaves. **Lb. \$1.25.**

**Agrostis Stolonifera** (Creeping Bent)—The compact, creeping, rooting stems make a strong, enduring turf, improved by constant trampling; does best on low bottom land, especially if somewhat sandy. **Lb. \$1.60.**

**Agrostis Stolonifera Maritima**—True Sea-side Bent. Certified. **Lb. \$2.50.**

**Agrostis Vulgaris** (Red Top)—A hardy perennial, succeeds best on moist land, but will accommodate itself to a variety of soils even to quite dry situations; height 1 to 2 feet; makes a fine hay with Timothy. Solid seed, 30 lbs. to the acre. **Lb. 50c.**

**Blue Grass Kentucky** (*Poa Pratensis*)—A true perennial; lasting indefinitely and improving each year. One of the best grasses for lawns; also valuable for pastures, being nutritious and productive. **Lb. (21 lb.) 65c; (24 lb.) 75c.**

**Crested Dogtail** (*Cynosurus Cristatus*)—A low growing fine leaf perennial of stoloniferous habit, one of the best for lawn mixture. **Lb. \$1.00.**

**Orchard Grass** (*Dactylis Glomerata*)—One of the grasses most used in permanent meadows, for pasture or mowing. It is hardy and productive. **Lb. 35c.**

**Red or Creeping Fescue**—An excellent bottom land grass for pastures and especially for those which are quite shaded. For lawns and should be included in all shade mixtures. **Lb. 75c.**

**Perennial Rye Grass** (*Lolium Perenne*)—A strong, hardy-growing perennial grass noted for its nutritive qualities. It is equally valuable for both grazing and hay. For lawns it is recommended by many gardeners. If sown thickly it makes a fine lawn. Use 40 pounds per acre. **Lb. 25c.**

**New Zealand** (Colonial Bent)—Thrives well on acid soils and its turf is injured rather than improved by the use of lime. **Lb. \$2.**

**Italian Rye Grass** (*Lolium Italicum*)—Virtually an annual, although under favorable circumstances will last two or three years, rapid grower withstanding extreme temperatures, remaining green throughout the winter and retaining its freshness in the hottest months. When sown thickly with other grasses it makes a dense turf, giving much satisfaction on lawn. Height one and one-half feet. 50 pounds to the acre. **Lb. 25c.**

**Pacys Rye Grass** (*Lolium Perenne*)—A carefully selected, short-seeded, dwarf growing strain, suitable for lawns. Makes a fine green turf in three weeks. **Lb. 35c.**

**Meadow Fescue** (*Festuca Pratensis*)—Perennial; grows 3 to 4 feet. Roots deep, thus resisting drought. It succeeds on any soil, yields a heavy crop of superior hay. One of the best grasses for pasture, being valuable to mix with other kinds. **Lb. 65c.**

**Tall Oat Grass** (*Avena Elatior*)—One of the best for permanent pasture on heavy and good average soils; used in permanent pasture mixtures. **Lb. 65c.**

**Timothy** (*Phleum Pratense*)—Produces large crops of hay on most loamy or clay soil. It withstands drought, cold and extreme heat. It should be cut when flowering; if left later the hay becomes hard and coarse. Height two to three feet. **Lb. 20c.**

Add postage if by mail.

## CHEWING FESCUE

Recommended for lawns and golf links. It is a fine-leaved, low-growing grass that forms a compact turf. Does well on all soils. **Lb. 65c; 10 lbs. \$5.40.**

## CLOVERS

Prices subject to market changes. Write for prices.

**Alfalfa**—One of the most valuable and largely grown forage plants. It requires a rich, deep, well-drained soil. It has a long tap root, in loose soil descending ten to twelve feet and withstanding great droughts. Should be sown in early fall or spring at the rate of 20 pounds to the acre. The crop should be cut when the plant is coming into bloom. Will produce three to five crops of hay in one season. Two to three feet high. **Lb. 45c; 10 lbs. \$3.75.**

**Turkestan Alfalfa**—It is said to be more productive and hardier than the ordinary variety; also withstands droughts better. **Lb. 50c; 10 lbs. \$4.00.**

**Grimm Alfalfa**—It is a type of Northern origin, consequently has a very wide range of adaptability and hardiness. En-

dures extremes of cold and withstands excessive heat, accepting most all soils and has a reputation for productiveness and hardness all through the Northwest. The seed is identical with other types of alfalfa. **Lb. 65c; 10 lbs. \$6.00.**

**Alsike or Hybrid Clover** (*Trifolium Hybridum*)—Succeeds best in cold, stiff soil and marshy lands, which are too wet for other varieties. It withstands cold and grows in high altitudes; blossoms make fine honey; a perennial. One to two feet high. 10 pounds per acre. **Lb. 45c; 10 lbs. \$4.00.**

**Bokhara Clover** (*Melilotus Alba*)—Valuable sort for soiling and for ensilage and bees. Grows from three to five feet high; sown in rich soil may be cut three times; lasts

for years, if cut before flowering. 15 pounds per acre. **Lb. 30c; 10 lbs. \$2.50.**

**Red Clover** (*Trifolium Pratense*)—On deep, rich soil it will produce two crops in a season; valuable for hay, pasturage or for light soiling. **Lb. 45c.**

**Mammoth Red Clover** (*English Cow Grass*)—Lasts longer and grows larger than the medium; fine for plowing under. **Lb. 55c.**

**White Clover** (*Trifolium Reapens*)—Makes an excellent turf and stands constant trampling; dwarf habit, stems creeping and rooting at the joints; spreads rapidly and is very hardy. Used extensively in lawn mixtures. 10 pounds to the acre. **Lb. 65c; 10 lbs. \$6.00.**

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## FIELD SEEDS

Subject to market change. Write for prices.

**Buckwheat, Japanese**—Extra large grains; yields enormously; makes good flour and stands up well. **Lb. 10c; 10 lbs. \$85.**

**Barley**—White Hulless Barley is entirely beardless, half-tone, and when threshed is hullless, like wheat. It produces 35 to 80 bushels of grain per acre. It is better than corn for hogs. **Lb. 10c; 10 lbs. 65c.**

**Beardless Barley**—Very early and free from beards; makes splendid hay for work horses. It is sometimes impossible to get seed which is absolutely true and it is liable to produce a small percentage of bearded heads. **Lb. 5c; 100 lbs. \$4.50.**

**Common Barley**—Specially selected and re-cleaned seed. We will be pleased to furnish samples on request. **Lb. 5c; 100 lbs. \$4.50.**

**Flax Seed**—Sow about 60 to 90 lbs. to the acre. **Lb. 15c.**

**Kale, 1000 Headed Cow**—The demand for this wonderful forage plant proves it to be the most valuable for Pacific Coast dairy and stockmen. Cow Kale should be grown in the same manner as cabbage, rows 4 feet by 3 feet apart; can be set as late as July. **Pkt. 5c; oz. 10c; lb. 65c.**

**Marrow Kale or Marrow Cabbage**—This is described in Washington State Agricultural Experiment Station Bulletin No. 95 as a valuable dairy and poultry food, in many ways very similar to Thousand Headed Kale, and even more prolific. The plants average four to six feet in height, with stalks five to six inches in diameter, and weigh 14 to 40 pounds. The stalks are edible and are relished by cows. The lower leaves are broken off and fed as they mature. Culture the same as for Kale and Cabbage. **Oz. 20c; ¼ lb. 60c; 1 oz. to 2000 plants.**

**Millet, German**—Makes good hay; seed grown exclusively for feeding birds. Requires a warm climate. **Lb. 15c; 10 lbs. \$1.25.**

**Oats, Swedish Select**—The most popular variety in the Northwest. The head is large and spreading; the grain large, white, plump and very healthy. It is a heavy yielder and the straw is extra large and strong, making it less liable to lodge. **Market Price. \$4.50 per \$100 lbs.**

**Oats, Banner**—A very popular white head oat. The grain is white and heavier than the average. **Market price. \$4.50 per 100 lbs.**

**Oats, Black Alaska**—A black oat, used to sow with Vetch or Peas. It is sometimes sown in fall, but is not so hardy as Gray Winter Oats and is more liable to freeze out. **Market price. \$4.50 per 100 lbs.**

**Oats, Gray Winter**—Especially valuable for fall sowing. The grain is dark gray, large, plump and yields well. The best for sowing with Vetch or Peas. **Market price. \$4.25 per 100 lbs.**

**Peas, Blue Scotch**—A splendid variety, similar to Canadian, except in color, which is bluish green. The peas are small, round, very hard. It is a heavy yielder and ripens evenly. **Lb. 10c; 10 lbs. 90c; 100 lbs. \$8.50.**

**Peas, Canadian Field**—The most popular variety; grown extensively in the Northwest. Splendid for hay, ensilage, green feed or to plow under for green manure. **Lb. 10c; 10 lbs. 90c; 100 lbs. \$8.50.**

**Rape, Dwarf Essex**—One of the best forage plants, producing immense quantities of green feed when grass and other crops are dried up; has yielded as high as ten tons of green feed per acre, with a food value double that of green clover; makes excellent pasture for all stock and fine green food for chickens. Is ready for use in six or eight weeks from time of sowing. **Lb. 20c.**

**Rye, Rosen**—A new variety, developed by the Michigan Agricultural College. The straw is vigorous and stools to a remark-

able degree. The heads are large and full, with beards of medium length. The grain is large, plump, heavy and of a light greenish color. It is remarkably productive. **Per 100 lbs. \$4.50.**

**Rye, Seed**—The old standard variety. Good, re-cleaned seed. **Per 100 lbs. \$4.50.**

**Oregon Vetch**—Sometimes called Spring Vetch, which name is misleading, for it is the variety used exclusively west of the Cascades for either spring or fall sowing. **Per 100 lbs. \$7.50. Lb. 10c.**

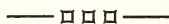
**Hairy or Winter Vetch**—This variety is used east of the mountains for fall sowing. **Market price.**

**Wheat, Bluestem**—An old standard white spring wheat, sown in fall west of the Cascades. **Market price.**

**Wheat, Red Russian**—A red winter wheat grown extensively in Eastern Washington. **Market price.**

**Wheat, Marquis**—A new, early, red spring wheat. Does not shatter easily and stands up well. A short, plump, very hard kernel of good quality. Although a spring wheat, it may be sown in fall west of Cascade Mountains. **Market price.**

**Wheat, Early Baart**—A splendid new spring wheat which is becoming very popular. It is very early, a heavy yielder, and the large white grain is of fine milling quality. **Market price.**



## FERTILIZERS

**Wilgrow**—Wilgrow is particularly adapted for use on lawns and if our directions are followed a most beautiful dark green velvety lawn will be the result. A 25-pound bag of Wilgrow is sufficient for 1250 square feet of lawn, care being used that it is put on evenly and not in lumps or handfuls. **Wilgrow, the very best fertilizer**— $1\frac{1}{2}$  lbs. 25c; 5 lbs. 50c; 10 lbs. 90c; 25 lbs. \$1.75; 50 lbs. \$2.75; 100 lbs. \$5.00.

**Ford Ammonium Sulphate Fertilizer**—It is not a mixed fertilizer but virtually a pure salt. A combination of sulphuric acid and ammonia, contains 20.8% nitrogen or available plant food. Good stable manure contains nitrogen and every farmer knows its fertilizing value. But no other form of nitrogen is so generously available as in Ammonium Sulphate. **Lb. 10c; 10 lbs. 60c.**

**Bone Meal**—100 lbs. \$3.50.

**Sulphate of Potash**—100 lbs. \$4.00.

**Nitrate of Soda**—100 lbs. \$4.00.

**Muriate of Potash**—100 lbs. \$3.50.

**Gypsum**—100 lbs., \$2.00.

**Blood and Bone**—100 lbs. \$3.50.

**Superphosphates**—100 lbs. \$2.25.

**Fish Meal**—100 lbs. \$4.50.

**Hydrated Lime**—12 lbs. 50c; 50 lbs. 75c.

**Sheep Guano**—100 lbs. \$1.50.

**Agricultural Sulphur**—10 lbs. 85c; 25 lbs. \$2.00; 50 lbs. \$3.75; 100 lbs. \$7.00.

### "PEP" COMMERCIAL FERTILIZER

3% Nitrogen. 8% Phosphoric Acid.  
6% Potash.

Use indoors or outdoors for all plants or growing things.

PRICE AT THE STORE:

\$3.75 per 100 lbs. \$2.00 per 50 lbs.  
\$1.25 per 25 lbs.

### CIPPS

"Carter's Pills for Plants"

One Pill Per Plant Per Month

**Cipps** fertilizes each individual plant. You simply place the pill just below the surface of the soil and about two inches from the plant. You only use one CIPP for each plant—each month. These pills slowly dissolve and their valuable nutrition is gradually absorbed by the roots with marvelous nourishing effect. **15c pkg.**

### STIM-U-PLANT

**PLANT FOOD** in Tablet Form. Most modern, efficient and scientific method of fertilizing growing plants. **Small size 15c, 30 Tablets 25c.**

### FARMOGERM

Inoculate the seeds of all your legumes with Farmogerm, pure cultures of Nitrogen gathering Bacteria, and double the yield. At the same time you will add Nitrogen to your soil. Specific cultures for each legume—Peas, Beans, Clover, Alfalfa, Vetch, Sweet Peas.

**Garden Size,  $\frac{1}{4}$  acre** ..... 60c  
**Half Garden Size,  $\frac{1}{8}$  acre** ..... 35c

## TUBEROUS-ROOTED BEGONIAS

This splendid class of Begonias is perhaps the handsomest of all bedding plants for shady or semi-shaded locations. Bulbs may be started in pots early in February or in the open later in the spring. They prefer a rich, sandy loam and should be covered to a depth of two to three inches.

**Giant Double Begonias**—Blossoms are so double they often have the appearance of solid round balls of velvet-like petals.

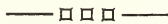
**Pink, rose, Orange, Crimson or Scarlet, 35c each; doz. \$3.50.**

**Giant Double Mixed Begonias**—A choice

mixture. **Each 30c; doz. \$3.00.**

**Giant Ruffled Double Begonias**—Large ruffled-edge blossoms with a solid crested center. Mixed colors. **Each 35c; doz. \$3.50.**

**Giant Single Mixed**—Flowers are of mammoth size. **Each 25c; doz. \$2.50.**



## CANNAS

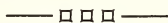
Cannas are stately and very ornamental plants of semi-tropical appearance, and are very desirable for groups and masses. The plants branch from the roots, with very large broad leaves, and produce clusters of large flowers, in a great variety of brilliant colors, from August until killed by frost. Following are a few of the most desirable varieties. It is best to start roots in March in pots and transplant.

**King Hubert**—Scarlet flowers; bronze foliage; a great favorite. **Each 20c.**

**The President**—Immense flaming scarlet; rich green foliage; 4 feet. **Each 25c.**

**Yellow King Hubert**—Deep, rich yellow, spotted red; 4 feet. **Each 20c.**

Cannas started, in 5 and 6 inch pots, **50c, 75c each.**



## DAHLIAS

Dahlias will grow in any good garden soil, preferably one that contains a little sand. The best time for planting is in May, placing the tuber on its side at a depth of about 6 inches, in ground that has been previously well cultivated. Cultivate freely until ready to bloom, then deep tillage must cease and only the surface be lightly stirred, as deep cultivation at this time is fatal to blooming. Do not use commercial fertilizer until the plant starts growth, then work it into the top soil, 5 to 6 inches from plant.

All tubers sent out by us are in a healthy condition, with one or more eyes or sprouts. Order early, before the supply of many varieties is exhausted, as we fill orders in the order they are received.

Postage extra on all bulbs. Those wishing to have their bulbs insured, please send 5 cents extra for insurance.

### CACTUS DAHLIA TYPE

**Break o' Day (H. C.)**—Clear sulphur yellow, **35c.**

**Bianca (H. C.)**—Pale lavender, fine cut flower; **50c.**

**Edna Spencer (H. C.)**—Orchid pink, very beautiful, **50c.**

**Golden West (C.)**—Deep, rich yellow, fine cut flower, **50c.**

**Helen Durnbaugh (H. C.)**—Delicate blush pink and white, **50c.**

**Kalif (H. C.)**—Pure scarlet with incurved petals, **50c.**

**Kola Poca (H. C.)**—Bright yellow spotted red, **50c.**

**La Favorita (H. C.)**—Brilliant orange, fine stem, **65c.**

**New Moon (H. C.)**—Canary yellow, tipped white, **65c.**

**Radiant Beam (H. C.)**—Lovely bronze with a golden sheen, **50c.**

**Ruth Van Fleet (H. C.)**—Canary yellow, **50c**

**Surprise (C.)**—Orange amber shading to yellow, **35c.**

**Valpariso (C.)**—Coral red, very profuse bloomer, **35c.**

**Vicar of Wasperton (C.)**—Three shades of pink, **50c.**

**Wodan (H. C.)**—Old rose and gold, fine stems, **35c.**

### DECORATIVE DAHLIA TYPE

**Aumon Rau (D)**—Also called Sun God; copper and reddish bronze; very large, **\$1.50.**

**Columbia (D)**—Rose, gold center; a beauty; **35c.**

**Chas. Sneider (D)**—Soft carmine red; **50c.**

**Carmencita (D)**—Yellow splashed red; **65c.**

**Dr. Harry Tevis (D)**—Old rose and gold; **50c.**

**Delighted (D)**—Mammoth pure white flower; **35c.**

**Delice (D)**—Light pink, fine cut flower; **35c.**

**DAHLIAS (Continued)**

**Exmouth Glory** (D)—Yellow and orange, tipped white; **35c.**  
**G. M. Goodrich** (D)—Old rose and gold, fine for cutting; **35c.**  
**Glorieux** (D)—Golden yellow tipped white; **75c.**  
**Good Bye Delice** (D)—Bright pink, one of the best; **65c.**  
**Geo. E. Wright** (D)—Salmon and mauve; perfect form; **65c.**  
**Gold of Ophir** (D)—Soft yellow, tinted red; **50c.**  
**Hiyan Moonlight** (D)—Full lemon yellow, white tips; **75c.**  
**H. Robinson** (D)—Bright yellow; one of our best; **50c.**  
**Judge Marean** (D)—Salmon pink, carmine center; **75c.**  
**Kumono** (D)—Old gold, very striking; **50c.**  
**Mrs. I. de Ver Warner** (D)—Deep rosy mauve; **75c.**  
**Mrs. Carl Salbach** (D)—Lavender pink, perfect blooms; **65c.**  
**Marcella Gill** (D)—Clear, soft pink; good keeper; **35c.**  
**Mabel Darling** (D)—Violet gold and old rose; **50c.**  
**Mable Taft** (D)—Soft, fine yellow; very full; **50c.**  
**Prince Alexander** (D)—Rose blended with cream and yellow; **65c.**  
**Princess Juliana** (D)—One of our best whites; **35c.**  
**Rosa Nell** (D)—Large, clear, bright rose; fine stems; **65c.**  
**Shasta** (D)—Large, white, shaded cream; **35c.**

**Star of Wash.** (D)—Lavender with yellow base; **35c.**  
**Seabright** (D)—Golden yellow; fine for cutting; **35c.**  
**Stunner** (D)—Canary yellow; fine stems; **65c.**  
**White Pearl** (D)—Pure white; one of the best; **65c.**  
**World's Wonder** (D)—Golden salmon; very large; **65c.**

**PEONY DAHLIA TYPE**

**Aunt Aliza** (P)—Deep, velvety red; a prize; **65c.**  
**Jessie Seal** (P)—Old rose with gold shading; **50c.**  
**Oriana** (P)—Lovely lavender with yellow center; **35c.**  
**U. S. A.** (P)—Immense bronze orange or old gold; **75c.**  
**Puna** (P)—Apricot buff, orange rose reverse; **65c.**  
**Madonna** (P)—Silvery white; a lovely flower; **35c.**

**POM POM DAHLIAS****25c Each**

**Bobby**—Rich plum color.  
**Clara Harsh**—Yellow tipped pink.  
**Eunice**—White shaded purple.  
**Glow**—Old rose.  
**Heckla**—Small pure white.  
**Hilda Serle**—Bright deep orange.  
**Leader**—Yellow tipped pink.  
**Leuchstern**—Orange and yellow.  
**Nora Reynolds**—Soft orange red.  
**Neatness**—Pale salmon, cream center.  
**Vivid**—Brilliant scarlet.

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**GLADIOLUS****Postage Extra**

The culture of the Gladiolus is so simple as to render it the most satisfactory of garden flowers, thriving and blooming with the least care and attention; making a display which for beauty of bloom and brilliancy of coloring is unequaled by any other flower. Set the bulbs 6 to 8 inches deep in rows and about 6 inches apart

**BLUE, PURPLE AND MAUVE SHADES**

**Anna Eberius**—Velvety purple, throat shading deeper. **Each 10c; doz. \$1.00.**  
**Byron Hulot**—Deed violet blue, fine flowers of fine color. **Each 10c; dozen \$1.00.**  
**Byron L. Smith**—Lavender pink, creamy throat. **Each 10c; doz. \$1.00.**  
**Herada**—Large blooms of clear mauve, deeper at throat. **Each 15c; doz. \$1.00.**  
**Violet**—Rich, deep violet, deeper at throat. **Each 15c; doz. \$1.25.**

**CREAM AND WHITE SHADES**

**Gold Measure**—Large, clear, rich yellow. **Each 10c; doz. \$1.00.**  
**Lily White**—Snow white, with pale lavender at throat. **Each 10c; doz. \$1.00.**  
**Schwaben**—Soft, pure yellow, little red stripe at throat. **Each 7c; doz. 75c.**

**ORANGE AND SALMON SHADES**

**Alice Tiplady** (Primulinus)—Large flower of good orange. **Each 10c; doz. \$1.00.**  
**Anthony Zonker**—Deep salmon rose, darker throat. **Each 25c; doz. \$2.50.**

- Jack London**—Light salmon with red lines. Each \$15c; doz. \$1.25.
- Ming Toy** (Prim.)—Deep buff, yellow throat. Each 15c; doz. \$1.25.
- Prince of Whales**—Delicate salmon rose of great value. Each 7c; doz. 75c.
- Miss Spokane**—Large flowers of orange pink. Each 15c; doz. \$1.25.

## PINK SHADES

- Evelyn Kirtland**—Delicate pink, with deep rose pink throat. Each 10c; doz. \$1.00.
- Gretchen Zang**—Soft tint of pink blending into scarlet. Each 10c; doz. \$1.00.
- E. J. Shaylor**—Large flowers of pure deep pink, ruffled. Each 15c; doz. \$1.50.
- L. Marechal Foch**—Enormous blossoms of flesh pink. Each 10c; doz. \$1.00.
- Mrs. Dr. Norton**—Cream pink in a wonderful blending. Each 10c; doz. \$1.00.
- Mrs. Frank Pendleton**—Bright pink with carmine blotch at throat. Each 8c; doz. 75c.
- Panama**—Wide open flowers of clear pink. Each 8c; doz. 75c.
- Richard Diener**—Beautiful geranium pink, large. Each 35c; doz. \$3.00.
- Rose Ash**—Ashes of roses, largely stately spikes, beautiful. Each 15c; doz. \$1.75.
- Pink Wonder**—Beautiful bright pink, large. Each 25c; doz. \$2.50.
- Willbrink**—Flesh pink. Sport of Halley with its good qualities. Each 7c; doz. 75c.

## RED SHADES

- Crimson Glow**—Large flowers of glowing crimson. Grand. Each 10c; dozen \$1.00.
- Early Sunrise**—Very large red-shaded orange; early. Each 15c; doz. \$1.25.
- Purple Glory**—Giant deep maroon, heavily ruffled. Each 25c; doz. \$1.50.
- Scarlano**—Fine bright orange-red. Nicely ruffled. Each 15c; doz. \$1.25.

## MIXED

- Gladiolus Mixed**—A splendid mixture. Doz. 50c.
- Primulinus Mixed**—A beautiful class of dainty and graceful flowers. Doz. 50c.
- Call and see our exhibit of *Gladiolus* during the season.

## HARDY JAPANESE LILIES

Postage extra.

For beauty and fragrance, nothing can equal these grand flowers. Plant early spring or late fall; work the ground thoroughly before planting lilies, adding leaf mould and sand under and around bulbs. Plant 6 to 8 inches deep where bulbs can remain for 5 or 6 years.

- Lilium Auratum** (Gold Banded Lily)—Large white, dotted chocolate-crimson with a golden band through the center of each petal. Large bulbs. Each 35c.

- Auratum Platyphyllum**—Improved *Lilium Auratum*. Large flowers. Each 50c

- Speciosum Album**—Large pure white. Large bulbs. Each 35c.

- Speciosum Rubrum**—Rose heavily spotted rich crimson. Large bulbs. Each 35c.

- Speciosum Melpomene**—Rich red, heavily spotted. Each 35c.

- Speciosum Magnificum**—Rich carmine, marmine, white. Large flowers. Each 50c.

- Tigrinum (Tiger Lily)**—Single, bright orange-red, spotted black. Each 35c.

- Tigrinum fl. pl.**—Double, bright orange red, spotted black. Each 35c.

- Henryi**—Apricot yellow, lightly spotted brown. Each 35c.

- Giganteum** (Easter Lily)—White. Each 35c.

- Candidum** (Annunciation or St. Joseph Lily)—Pure white. To be planted in early fall only. Each 50c.

- Lilium Regale** (Myriophyllum)—White with pink blending into white; golden yellow at the throat. Large flowers, blooming in July. Each 35c and 50c.

## CALLA LILY

- Godfrey**—Pure white, free bloomer. Ea. 20c.
- Calla, Elliottiana**—Flowers of a rich, golden yellow; foliage dark green with white spots. Each 35c.

## LILY OF THE VALLEY

- Delicate, bell-shaped, white, fragrant flowers. Plant in the open ground where plants can remain undisturbed in a shady situation of rich, sandy soil. Doz. 75c; 100 \$5.00.

## PEONIES

Postage Extra

Peonies, especially the modern introductions, are probably the most valuable and most beloved of all perennial plants. Plant in sun or semi-shade. They may be planted in the fall or spring, but fall planting is more satisfactory. Avoid planting too deeply, 2 or 3 inches of soil over crown being sufficient, and do not transplant the clumps for at least 5 years and then only if necessary. Fertilize during summer months.

- Abel Carrier**—Dark violet maroon. 60c.

- Alsace-Lorraine**—Cream tinted yellow. \$2.50

- Delachei**—Deep rich crimson. 65c.

- Claire Dubois**—Large satin pink. \$1.10.

- Dorchester**—Fine Hydrangea pink, full and compact; late. 60c.

- Duchess of Orleans**—Deep pink, salmon center; a good cut flower variety. 60c.

**Edulis Superba**—The Decoration Day Peony; early, rose pink, fragrant. 60c.  
**E. G. Hill**—Tyrian rose, silver edged. \$1.50.  
**Felix Crousse**—Large round double clear brilliant red; fragrant. 75c.  
**Festive Maxima**—Large white, carmine spotted; fragrant. 60c.  
**Fragrans**—Solferino red. 50c.  
**Gen. Dodds**—Tyrian rose; large; very fine. 65c.  
**Livingston**—Lilac rose tipped silver pink. 90c.  
**Mme. Leonie Calot**—Shell pink, center rose; superb bloom. 75c.

**Marie Crousse**—Soft salmon pink. \$2.00.  
**Marie Lemoine**—Pure white, cream center. 75c.  
**Officialis Rubra**—Early large crimson. 75c.  
**Queen Victoria**—White, blush tinted. 50c.

## TUBEROSES—THE PEARL

One of the most delightfully fragrant summer flowering bulbs of pure white flowers borne on long stems. If planted early in a warm place in good sized pots and in May moved to open ground, leaving in pots which may be taken up in the fall for house culture. Each 10c; doz. \$1.00.

## ROSES

### Planting and Care

In our favored section Roses attain a perfection seldom equaled, but one cannot expect them to thrive and bloom unless you care for them. We offer the following simple suggestions:

Roses may be planted any time the weather is open, after November 1 until May 1. These dates vary some with the weather.

Bushes should be set two to three feet apart. In planting budded stock, always cover the bud at least two or three inches. Avoid planting alongside a building, tight fence or wall.

**Soil**—Any good, well-drained garden soil, enriched with fertilizer, will give excellent results. If heavy clay soil, mulch well with earth and manure, rotted sod or leaf mold.

**Watering**—When setting out, water regularly until roots are well set, then about once a week, unless the ground is very dry; in such cases more often. Do not get the foliage wet after a hot day. This causes mildew.

**Fertilizer**—Our Wilgrow odorless fertilizer will give excellent results and should always be applied after the plants start their growth. For fall fertilizing Bone-meal well worked into the soil.

**Finally**—Keep the surface well worked around the roots. This is as necessary as water or fertilizer. When planting cut back freely, and the bush will recover quickly.

**Two-year-old Field Grown Roses**—Our stock of roses includes such kinds as we find desirable and the best for this climate. They are all large, sturdy field grown plants, 2 years old or more.

N. B.—We can furnish most of the choice and new novelties in roses. If they are not listed write for wants and quotations.

### RED SHADES

**Admiral Ward, H. T.**—Crimson, shaded fiery red; large, full globular flowers. \$1.  
**American Beauty, H. P.**—One of the largest, sweetest and best; rich crimson. 75c.  
**Autumn Tints, T.**—Coppery red, shaded with orange and salmon. Rich foliage. \$1.25.  
**Avoca, H. T.**—Crimson scarlet, large and full. 75c.  
**Arlandne, T.**—Scarlet with apricot center. \$1.25.  
**Capt. Geo. Dresser, H. T.**—Rich red shaded crimson. \$1.00.  
**Chameleon, H. T.**—Pure flame, edged cerise \$1.00.  
**Charles K. Douglas, H. T.**—Brilliant scarlet flushed crimson. \$1.00.  
**Chateau de Ceos Vouglot, H. T.**—Crimson center, fiery scarlet tip. 75c.  
**Crimson Queen, H. T.**—Large, rich velvety crimson. 75c.  
**Crusader, H. T.**—Rich velvety crimson. \$1.  
**Diadem, H. T.**—Orange crimson, suffused and coppery yellow; large glossy foliage. \$1.50.  
**Edward Mawley, H. T.**—Bright velvety crimson, good foliage. 75c.  
**Etoile de France, H. T.**—Deep velvety crimson, good foliage. 75c.  
**General McArthur, H. T.**—Dark velvety crimson; one of the best for bedding. 75c.  
**Hawlmart Crimson, H. T.**—Deep maroon, with almost black pencillings, \$2.00.  
**Hawlmart Scarlet, H. T.**—Brilliant scarlet without shadings. \$1.00.  
**Henrietta, H. T.**—Orange crimson to coral salmon. 75c.  
**Hoosier Beauty, H. T.**—Glowing crimson with dark shadings. \$1.00.  
**Hugh Dickson, H. P.**—Brilliant crimson tinted scarlet; very large. 75c.  
**K. of K., H. T.**—Intense scarlet, wonderful color, semi-double. \$1.00.  
**Mad. Ed. Herriott (Daily Mail)**—Pern.—Coral red shaded orange and scarlet. \$1.  
**Mrs. Raymond de Escofet, Pern.**—Intense flame crimson, vigorous. \$1.25.

**YELLOW AND ORANGE SHADES**

- Christine, H. T.**—Deepest and clearest golden yellow; shiny foliage. \$1.25.
- Cleveland, H. T.**—Coppery-yellow flushed reddish yellow at base. \$1.00.
- Duchess of Wellington, H. T.**—Intense saffron yellow, tinted copper and crimson. \$1.00.
- Elegante, H. T.**—Long sulphur yellow buds, full and globular. \$1.25.
- Flame of Fire, H. T.**—Deep orange colorings; very attractive. 75c.
- Florence Chenowith, H. T.**—Orange yellow, Sport of Herriot. \$1.00.
- Golden Emblem, Pern.**—Clear deep golden yellow; good foliage. \$1.50.
- Golden Ophelia, H. T.**—Rich golden yellow, stout stems. \$1.50.
- Independence Day, Pern.**—Rich golden yellow; most attractive. \$1.50.
- Joseph Baud, Pern.**—Orange red bud, golden yellow and orange bloom. \$1.50.
- Lady Dunleath, H. T.**—Pale yellow, deep golden yellow center. \$1.00.
- Lady Hillington, T.**—Deep orange yellow without shadings. \$1.00.
- Lady Pirrie, H. T.**—Deep coppery orange shaded apricot orange. \$1.00.
- Mable Morse, H. T.**—Clear golden yellow without shadings. \$2.00.
- Mrs. Aaron Word, H. T.**—Indian yellow; free flowering. 75c.
- Sunburst, H. T.**—Orange yellow and golden yellow. \$1.00.

**PINK SHADES**

- Betty, H. T.**—Copper rose shaded golden yellow. 75c.
- Columbia, H. T.**—Bright peach pink, deepens as it opens. 75c.
- Cornelia, H. T.**—Bud salmon pink, flowers flesh pink. \$1.00.
- Dorothy Page Roberts, H. T.**—Coppery pink, suffused apricot yellow. 75c.
- Hill's America, H. T.**—Glowing rosy pink, large and keeps well. \$1.50.

**Humboldt, H. T.**—Long buds, large flower of bright pink. \$1.00.

**Irish Elegance, H. T.**—Apricot shaded orange pink, single flowers; long-pointed buds. 75c.

**Joseph Hill, H. T.**—Salmon pink shaded apricot yellow. 75c.

**Juliet, Pern.**—Outside of petals gold, inside rich rosy red. 75c.

**La France, H. T.**—Bright silvery pink. 75c.

**Lady Ashtown, H. T.**—Deep rose shaded silvery pink; yellow base. 75c.

**Los Angeles, H. T.**—Flame pink shaded coral; large and full. \$1.00.

**Lulu, H. T.**—Orange salmon and rich pink; long buds. \$1.00.

**Lyon, H. T.**—Shrimp pink, shaded red and chrome yellow. \$1.00.

**Madame Caroline Testout, H. T.**—Satiny rose pink; full and double. 75c.

**Madame Leon Pain, H. T.**—Silvery pink with orange and yellow center. 75c.

**Madame Abel Chatenay, H. T.**—Rose carmine tinted salmon; a free bloomer. 75c.

**My Maryland, H. T.**—Clear salmon pink, large and fragrant. 75c.

**Premier, H. T.**—Dark pink, large flowers. \$1.00.

**Radiance, H. T.**—Brilliant rosy carmine. \$1.

**Rose Marie, H. T.**—Deep rose pink, shading clear cerise at edges. \$1.00.

**Sour. De George Beckwith, Pern.**—Shrimp pink, shade chrome yellow. \$1.50.

**Winnie Davis, H. T.**—Light lively pink of good habit. 75c.

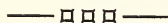
**WHITE SHADES**

**Candeur Lyonnaise, H. P.**—Large, pure white flowers; long, oval buds. Improved F. K. Druschki. 75c.

**Edel, H. T.**—Ivory white; a stately, well-shaped flower; large. \$2.00.

**Mrs. David McKee, H. T.**—Creamy white; large and of strong habits. \$1.00.

**Mrs. Herbert Stevens, T.**—Snowy white, shaded peach apricot at center. \$1.00.

**CLIMBING ROSES****RED SHADES**

- Bess Lovette, H. W.**—Double bright red, fragrant flowers, borne on long, stiff stems. 75c.
- Chat. de Clos Vouglot, H. T.**—Dark crimson scarlet of vigorous growth. \$1.00.
- Gen. McArthur, H. T.**—A good velvety scarlet climber. \$1.00.
- Hadley, H. T.**—Large, deep velvety crimson. \$1.00.

**Hoosier Beauty, H. T.**—Deep crimson with dark shadings. \$1.50.

**H. V. Machin, H. T.**—Largest dark red hybrid Tea Climber. \$1.00.

**Louise Katherine Breslau, Pern.**—A lovely shade of reddish orange. \$2.00.

**PINK SHADES**

**American Pillar, Mult.**—Single cherry pink, white eye. 75c.

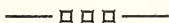
- Belle Siebrecht, H. T.**—Large, bright, rosy-pink, buds long and tapering. 75c.
- Climbing Cecile Brunner, H. Poly.**—Rosy pink on creamy white ground. 75c.
- Dorothy Perkins**—Clusters of pink flowers. 75c.
- Lady Ashton, H. T.**—Deep rose shading to silvery pink. \$1.00.
- Mad. Abel Chatenay, H. T.**—Carmine rose shaded salmon. \$1.00.
- Mad. Caroline Testout, H. T.**—Glowing pink. Vigorous and hardy. 75c.
- Ophelia, H. T.**—Delicate salmon and orange, buds long and tapering. \$1.00.

## YELLOW AND ORANGE SHADES

- Lady Hillington**—Deep apricot yellow base, petals chrome yellow. \$1.00.
- Sunburst**—Rich chrome yellow shaded orange-copper. \$1.00.
- Climbing Yellow Cecile Brunner, H. Poly.**—A yellow baby climber. 75c.
- Cloth of Gold, N.**—Full flowers of sulphur yellow; glossy foliage. 75c.
- Emily Gray, N. W.**—Long, golden yellow buds; large flower. \$1.50.

## WHITE SHADES

- Frau Karl Druschki, H. P.**—Pure white, long pointed buds. 75c.
- Kaiserin A. Victoria, H. T.**—White, same as dwarf variety. 75c.
- Silver Moon, H. W.**—Pure white with clear yellow streamers; large and single. 75c.
- ## POLYANTHUS OR BABY ROSES
- Baby Doll or Tip Top**—Golden yellow, tipped with clear bright cerise. 75c.
- Etoile de Luisaute or Baby Harriot**—Shrimp pink suffused coppery yellow. 75c.
- La Marne**—Bright salmon shaded old rose. 75c.
- Mad. Jules Gouschault**—Bright vermilion red. 75c.
- Mme. Cecile Brunner Pink**—Bright rose pink shaded salmon pink. 75c.
- Mme. Cecile Brunner White**—White tinted flesh. 75c.
- Marvel of Reds**—A semi-double red, light center. 75c.
- Orleans**—Brilliant geranium red and cerise. 75c.
- Perle D'or**—Golden yellow with orange center. 75c.



## FRUIT AND ORNAMENTAL TREES, ETC.

We deliver only choice, healthy trees, bushes, etc., and use every endeavor to see that you get only such stock as will insure you success. A great many of the failures with nursery stock are due to the manner in which they are handled after being taken from the nursery.

Immediately on receipt of trees, shrubs, etc., have them set or carefully heeled in until such time as you can set them out permanently; do not allow the roots of trees, shrubs or plants to be exposed to the sun or wind; often an hour's exposure will kill the hardiest tree.

When planting, dig a hole large enough to accommodate the root system without bending or bunching the roots, also somewhat deeper than you expect to set the tree, so that you can fill in several inches of good soil mixed with well rotted manure or bonemeal, before setting the tree, etc. Then set the tree, placing the roots as nearly as possible in a natural position; fill in opening about half with fine dirt, then grasp the tree, lifting and shaking it slightly, letting the fine dirt sift in and around the root system; thoroughly saturate the fine dirt just placed with water, so that the dirt will adhere to the roots. Then fill in balance of opening with dry dirt, packing firmly in and around the tree, setting the

tree somewhat deeper than it was in the nursery.

The following list comprises the varieties suited to this climate. If other varieties are wanted let us know. We may be able to supply same.

We do not substitute unless we receive special instructions to that effect. If stock is sold out money will be refunded.

## APPLES

One year or light two year old, 4 to 6 feet, each 75c; extra heavy, two year old, each \$1.00; Big specimen trees, each \$1.50 to \$2.

## SUMMER AND FALL

- Early Harvest**—Yellow, medium size.
- Red Astrachan**—Deep crimson, large.
- Duchess of Oldenberg**—Red and yellow.
- Fameuse (Snow)**—Deep crimson streaked, flesh snowy white.
- Gravenstein**—Bright red and yellow; one of the best for this climate.
- Waxen**—Rich yellow, crisp, tender and juicy.
- Wealthy**—Yellow shaded with deep red.
- Yellow Transparent**—Yellow very early, best quality.
- Yellow Bellflower**—Rich yellow, highly flavored.

**WINTER**

**Arkansas Black**—Medium size, dark red; a late keeper.

**Baldwin**—Red; a leading winter apple.

**Delicious**—Thrifty grower, quality and (?)

**Grimes Golden**—Golden yellow, high flavor unsurpassed. Very sweet.

**Jonathan**—Red; fine for table and market.

**King of Tomkins County**—Yellowish, shaded with red.

**Mammoth Black Twig**—Red; large, late keeper.

**Northern Spy**—Greenish, brown ribbed, good keeper, fine quality.

**Rhode Island Greening**—Greenish yellow; rich and tender.

**Rome Beauty**—Yellow with red, aromatic taste.

**Red Rome Beauty**—New; bright red; finest quality; similar to Rome Beauty.

**Spitzenberg Esopus**—Splashed red, yellowish, juicy. Delicious rich flavor.

**Stayman Winesap**—Improved Winesap.

**Wagner**—Dark red; flesh firm; sub-acid. Early and continuous bearer.

**Winesap**—Dark red, medium size. Excellent late keeper.

**Winter Banana**—Golden yellow, shaded red, large; excellent flavor.

**Yellow Newton Pippin**—Fine flavor; one of the best keepers.

**CRAB APPLES**

Prices Same as Apples

**Florence**—Large red.

**Hyslop**—Dark crimson.

**Red Siberian**—Red cheek on yellow ground.

**Transcendent**—Red cheek.

**Yellow Siberian**—Small golden yellow.

**CHERRIES**

One year or light two year old, four to six feet, each \$1.50. Select extra heavy two year old, each \$2.00. Very large trees, each \$2.50 to \$3.00.

**SWEET**

**Bing**—Very large; black with solid meat.

**Black Republican**—Black, medium size.

**Black Tartarian**—Medium black; very early.

**Lambert**—Very large, dark red; fine shipper.

**Royal Ann**—Light red on yellow ground.

**SOUR**

**Early Richmond** (Kentish)—Red, medium size.

**English Morello**—Medium to large blackish red.

**Late Duke**—Very large; dark red.

**May Duke**—Medium size; dark red.

**Montmorency**—Large bright red.

**PEARS**

One year or light two year old, four to six feet, each 85c. Extra heavy two year old, each \$1.50. Big trees, each \$2.00 to \$2.50.

**Bartlett**—Large; bluish cheek; August.

**Beurre d'Anjou**—Large; best late keeper; October and November.

**Beurre Clairgeau**—Large, late.

**Flemish Beauty**—Extra large; good keeper.

**Fall Butter**—Good fall pear.

**Winter Bartlett**—Large, good quality.

**Winter Nellis**—Medium size; good winter pear.

**Worden Seckle**—Small reddish cheek. November.

**PLUMS**

One year or light two year old, \$1.00. Selected two year old, each \$1.50 to \$2.25.

**Blue Damson**—Fruit small; dark purple.

**Bradshaw**—Large, dark purple, juicy.

**Burbank (Japan)**—Red cheek on yellow ground.

**Climax**—Large dark red; flesh yellow; juicy.

**Columbia**—Large; dark purple; sugary.

**Green Gage**—Small; greenish yellow.

**Jefferson**—Large; yellow red cheeks.

**Peach Plum**—Largest size; red cheek, early.

**Yellow Egg**—Largest size; yellow, sweet.

**PRUNES**

One year, each \$1.00; two year, each \$1.25; three year, each \$1.50.

**French** (Petite d'Agen)—Medium; reddish purple.

**Italian**—Dark purple; sweet drying and shipping variety.

**Silver**—Large; sweet; good dryer.

**Sugar**—Large; purple; rich; sweet.

**Tennant**—Large size; purple; Italian variety.

**Tragedy**—Medium size; dark purple, rich, sweet.

**Hungarian**—Largest; bright red.

**PEACHES**

One and two year old, each \$1.25 to \$1.75 and \$2.25.

**Alexander**—Large; Clingstone variety; very juicy.

**Early Crawford**—Large yellow; magnificent popular.

**Elberta**—Large;; yellow; red streaks; rich and juicy.

**Philip's Cling**—Large yellow, rich and highly flavored.

Salaway—Large; yellow flesh; late.

### APRICOTS

Selected one and two year old, each \$1.50 to \$2.00.

Moorpark—Orange; flesh very bright orange; large.

Royal—Large yellow with orange cheek.

Blenheim—Large; deep yellow.

### NECTARINE

Boston—The best variety. Each \$1.50.

### QUINCE

One, two and three year old, \$1.50 to \$2.00

Champion—Large; of excellent flavor, prolific.

Orange—Large; golden color.

### BLACKBERRIES

Each, 25c; doz. \$2.00; 100 \$12.00

Evergreen.

Himalaya Giant or Everbearing.

Kittatiny.

Lawton.

New Mammoth.

Phenomenal—Two year, each 35c; doz. \$3.50. Extra large plants, 50c.

### RASPBERRIES

Cuthbert—Red. Each 15c; doz. \$1.50; 100 \$7.50.

Plum Farmer. Each 20c; doz. \$2.00.

Gregg—Blackcap, Each 20c; doz. \$2.00.

### LOGANBERRY

Two year old plants, each 25c; doz. \$2.50. Tips, each 10c; doz. \$1.00.

### PHENOMENAL BERRY

Originated by Luther Burbank; a cross between the Red Raspberry and Dewberry. Called an improved form of Loganberry; larger, more productive and sweeter, but soft and not so good for shipping.

Each, 50c; doz. \$4.50.

### CURRANTS

1 year, each 15c; doz. \$1.50; 2 year, each 25c; doz. \$2.50; extra large, each 35c; doz. \$3.50.

Cherry—Red.

Fay's Prolific—Red.

Perfection—Red.

### GOOSEBERRIES

Oregon Champion—Each 15c; doz. \$1.50.

Pearl—Yellowish green. Each 25c; doz. \$2.50.

Poorman—Large yellow. Each 50c; doz. \$5.00.

Red Jacket (Josselyn)—Large, prolific. Ea. 35c; doz. \$3.50.

### GRAPES

Each 35c; doz. \$3.50. Selected heavy stock, each 50c.

Agawam—Large pink.

Brighton—Large pink.

Campbell's Early—Black.

Delaware—Light red.

Moore's Early—Large blue.

Island Belle—Improved Concord. 1 year 35c; 2 year, heavy plant, each 50c; doz. \$5.00.

Niagara—Yellow; large and sweet.

Worden—Black.

### STRAWBERRIES

Clark's Seedling, doz. 25c; 100 \$1.35.

Magoon—Doz. 25c; 100 \$1.35.

Marshall—Doz. 25c; 100 \$1.35.

Superb, Everlasting—Doz. 35c; 100 \$2.00.

Progressive, Everbearing—Doz. 35c; 100 \$2.

### ORNAMENTAL AND DECIDUOUS SHRUBS

Azalea Mollis—Assorted colors.

Each \$2.00 to \$6.00.

Barberry—Purple leaved. 50c to \$1.00.

Barberry, Japanese—Dwarf. 50c to \$1.00.

Buddleia—Butterfly or Summer Lilac.

75c, \$1.00, \$1.50.

Calycanthus Floridus—Sweet scented shrub. \$1.00.

Deutzia, Gracilis Rosea—Dwarf. Light rose. \$1.00.

Deutzia, Pride of Rochester—Tall; double; white. \$1.00.

Forsythia Fortunei—Fortune's Golden Bell. 75c to \$1.50.

Forsythia Viridissima—Golden yellow flowers. 75c.

Hibiscus Althea—Rose of Sharon. 75c.

Hydrangea, Avalanche—Pure white flowers. 75c to \$1.50.

Hydrangea Bouquet Rose—Rosy.. pink. \$1.50 to \$2.50.

Hydrangea Hortensis—Rose colored flowers. \$1.50 up.

Hydrangea Paniculata Grandiflora. \$1.50 up.

Lilac—Syringa Persica var. Alba, white. \$1.50 up.

Lilac—Charles X. French. Single. Purple. \$1.50 up.

Lilacs—(Common)—White. Each 25c, 75c, \$1.00; purple, each 25c, 75c, \$1.00.

Syringa, Philadelphia—Mock orange. 75c, \$1.50.

Snowball—Viburnum Opulus Sterilis. \$1.00 to \$1.50.

Snowball, Japanese—Viburnum Plicatum. \$1.00 up.

Spirea, Anthony Waterer—Dwarf, crimson. 50c up.

Spirea, Bridal Wreath—Double. Pure white. 75c up.

Spirea, Thunberg's—Dwarf. Pure white flowers. 75c up.

Spirea, Van Houtte—Most popular. White. 75c up.

Weigela, Candida—Pure white. 75c up.

Weigela, Eva Rathke—Deep carmine red.  
\$1.00 up.

Weigela, Rosea Nana Variegata—Variegated.  
\$1.00 up.

## ORNAMENTAL DECIDUOUS TREES

Beech (*Fagus Purpurea*)—Purple leaved  
Beech. \$5.00 each.

Birch, Betula Alba—European White Birch.  
Each \$2.50 to \$5.00.

Catalpa Bungei—Chinese Catalpa. 6-8 ft.  
Each \$5.00 to \$7.50.

Catalpa Speciosa—Hardy Catalpa.  
Each \$2.50 to \$3.50.

Crab, Flowering, Pyrus Bechtel—Double.  
Pink. \$2.50, \$3.50 to \$5.00.

Chestnut, Horse—White flowering.  
Each \$1.50 to \$3.50.

Chestnut, Horse—Double flowering. White.  
Each \$1.50 to \$4.00.

Elm, Ulmus Americana—American. White  
Elm. Each \$1.00, \$1.50 to \$2.50.

Laburnum—Golden Chain, 4 to 6 ft.  
Each \$1.50 to \$3.50.

Laburnum—Golden Chain, 6 to 8 ft.  
Each \$2.00 to \$5.00.

Maple, Acer Platanoides—Norway Maple.  
Each \$1.50 to \$3.50.

Mountain Ash, Sorbus Acuperia—Euro-  
pean. Each 75c to \$3.00.

Thorn—Paul's Scarlet. Double.  
Each \$1.00, \$2.50 to \$3.50.

Thorn—Pink. Each \$1.00 to \$3.50.

Thorn—White. Each \$1.00 to \$3.50.

Poplar—Populus Balsamifera. Balm of  
Gilead. \$1.00 to \$5.00 each.

Poplar—Populus Carolinensis. Carolina  
Poplar. Each \$1.00 to \$3.50.

Poplar—Populus Nigra Italica. Lombardy  
Poplar. Each 50c to \$3.50.

## EVERGREEN SHRUBS

Aucuba Japonica—Japanese Laurel.

Each \$1.00, \$1.50 to \$5.00.

Arbutus Unedo—Strawberry Tree. Ea. \$2..

Azalea Indica—Broad leaved Evergreen.  
Each \$2.50 to \$4.00.

Buxus Sempervirens Suffruticosa—Dwarf  
Box. Each 25c up.

Broom, Cytisus Alba—Spanish Broom.  
White. Each 50c up.

Broom, Cytisus Scoparius var. Andreanus—  
Flowers yellow with brown wings. 50c up.

Broom, Cytisus Scoparius—Scotch Broom.  
Yellow. 35c up.

Cotoneaster Horizontalis—Trailing. Red  
berries. 75c up.

Cotoneaster Microphylla—Dwarf. Red ber-  
ries. 75c up.

Cotoneaster Simonisii—Shining Leaf Coto-  
neaster. 75c up.

Heather, Erica Vulgaris—Scotch Heather.  
50c up.

Heather, Erica Vulgaris Alba—White flow-  
ered. 50c up.

Laurel, Prunus Laurocerasus—English  
Laurel. 50c up.

Laurel, Prunus Lusitanica—Portugal Laurel.  
\$1.00 up.

## EVERGREEN SHRUBS

Lauristinus, Viburnum Tinus—White flow-  
ers. \$1.00 to \$5.00.

Mahonia Aquifolium—Oregon Grape.  
Each 50c.

Hypericum Hircinum—Bushy, erect.  
Each 50c.

Hypericum Moseranium—Gold Flower.  
Each 75c.

Hypericum Japonicus—Evergreen Evony-  
mus. 75c up.

Hypericum Japonicus Alba Marginatus.  
Each \$1.00.

Hypericum Japonicus Argento Variegatus  
—Each \$1.00.

Hypericum Japonica Aureus—Golden leaved.  
Each \$1.00.

Privet, Ligustrum Ovafolium—California  
Privet. \$4.00 to \$6.00 per 100.

Privet, Ligustrum Variegata—Leaves green  
and gold. Each 25c; doz. \$2.00.

Veronica—Cancerwort. 25c up.

## EVERGREEN TREES

Arborvitae—Thuya Occidentalis. American.  
Each \$1.50 to \$5.00.

Cypress, Lawson—Each \$1.50 to \$10.00.

Cypress, Lawson, Erect, Green—12 to 18  
inches. Each \$1.00 to \$5.00.

Cypress, Lawson, Yellow—Each \$3.00 to  
\$15.00.

Cypress, Lawsoniana Pendula—Each \$3.00  
to \$15.00.

Cypress, Lawsoniana Triumph de Beskoop  
—Each \$3.00 to \$15.00.

Cedar—Deodora, Himalayan, or Indian Ce-  
dar. Each \$2.50 to \$15.00.

Cedar—Atlantica. Mt. Atlas Cedar.—Each  
\$2.50 to \$15.00.

Cedar—Cedar of Lebanon.—Each \$2.50 to  
\$15.00.

Holly—English Holly. Berry bearing plants.  
Each \$2.00 to \$10.00.

Holly—Variegated English Holly. Berry  
bearing plants. Each \$2.50 to \$25.00.

Holly Seedlings—10 in. 35c; to 50c.

Juniper—Virginia. Red Cedar. Each \$1.50  
to \$7.50.

Juniper—Japanese Creeping Juniper. Each  
\$2.50 to \$10.00.

Juniper—Juniperas Sabina. Sabian's Juni-  
per. Each \$1.00 to \$2.00.

Juniper—Juniperas Hibernica. Irish Juniper.  
Each \$2.50 to \$10.00.

Juniper—Variegated Irish Yew. Each \$5.00  
to \$25.00.

Pine—Pinus Nigra. Austrian Pine, 4 to 7 ft.  
Each \$1.50 to \$5.00.

Retinispora Plumosa—Plumed Cypress. Each  
\$2.50 to \$5.00.

Retinispora Plumosa Aurea—Golden Plumed.  
Each \$2.50 to \$5.00.

Spruce—Norway Spruce. Each \$2.50 to \$10.

Spruce—Colorado or Koster's Blue Spruce.  
Each \$2.50 to \$10.00.

# ORNAMENTAL AND NUT-BEARING TREES

## MULBERRY

One and two year old, each \$1.50

**Downings** Everbearing—Very large and black.

**Russian**—Small fruit, tree hardy and prolific.

## ALMONDS

One year old, \$1.00. Heavy, selected two and three year old, \$1.50 to \$2.00.

**I. X. L.**—Large; single kernel; soft shell.

**Nonpareil**—Large; full kernel; soft shell.

## CHESTNUTS

Selected heavy two to three year old, three to four feet, \$1.50 to \$2.50.

**American Sweet**—Valuable for timber and nuts.

**Spanish or Italian**—Large nuts; produces abundantly.

## FILBERTS—Hazelnut

Three to five feet, each \$1.50 to \$2.50.

**English**—Full flesh; sweet.

**Du Chilly**—Full fleshed, largest grown.

**Barcelona**—Very large; first quality.

## WALNUTS

One to two feet, 75c; two to four feet \$1.00; four to six feet \$1.50; six to eight feet \$2.50; eight to ten feet \$3.50 to \$5.00.

**Butternut or White Walnut**—Large long nut; bears earlier than the English.

**English Walnut** (Franquette)—Hardy, thrifty bearer.

**English Walnuts**—Grafted 4-6 ft. Ea. \$2.00

**Butternut or White Walnut.**

## HARDY HERBACEOUS PERENNIALS

Large plants or clumps, each 25c; doz. \$2.50, unless otherwise noted.

**Achillea**—The Pearl.

**Aconitum, Nepellus**—Blue.

**Alyssum, Saxatile**—Yellow.

**Anchusa, Dropmore**—Blue.

**Anemone** (Wind Flower)—White.

**Aquilegia**—Long spurred varieties.

**Arabis** (Snow on the Mountain).

**Aster, Michaelmas Daisy.**

**Aubrietia**—Purple or pink shades.

**Bellis** (English Daisy)—Red, pink and white.

**Canterbury Bell**—Pink, white, blue.

**Carnation**—Pink, red, whitet.

**Cerastium** (Snow-in-Summer).

**Chrysanthemums, Hardy**—Red, white, yellow, bronze, pink.

**Coreopsis** (Lanceolata).

**Dianthus** (Hardy Larkspur).

**Dianthus** (Hardy Pinks).

**Dicentra** (Bleeding Heart)—Each 75c.

**Digitalis** (Foxglove).

**Doronicum** (Yellow African Daisy).

**Gaillardia** (Blanket Flower).

**Geum, Mrs. Bradshaw**—Red.

**Geum, Lady Stratheden**—Yellow. Each 30c.

**Golden Glow** (Rudbeckia).

**Gypsophila Paniculata** (Baby's Breath).

**Helianthus** (Hardy Sunflower)—Single and double.

**Hemerocallis**—Yellow Day Lily.

**Heuchera Sanguinea**—Crimson.

**Hollyhock**—Crimson, scarlet, salmon, white.

**Iberis, Gibraltica**—Lavender.

**Lavender**—Evergreen.

**Linum, Perenne**—Blue.

**Lychnis, Chalcedonia**—Scarlet.

**Lupinus, Polyphyllus**—Blue.

**Myosotis, Dissitiflora** (Forget-Me-Nots).

**Phlox**—Scarlet, heliotrope, blue, pink, purple, lavender, white. Each 35c.

**Poppy, Nudicaule** (Iceland).

**Poppy, Oriental**—Scarlet, pink. 35c.

**Polyanthus**—Giant mixed.

**Pyrethrum, Mixed.**

**Scabiosa, Caucasica**—Lavender, blue.

**Statice, Latifolia.**

**Stokesia, Cyanea**—Blue.

**Sweet William**—Red, pink.

**Thyme**—Silver.

**Tritoma Pfitzeri** (Red Hot Poker)—Orange scarlet. Each 30c.

**Veronica, Spicata.**

**Viola Cornuta.**

**Viola**—Dark purple.

**Violets.**

**Wallflower**—Yellow, blood red, salmon, crimson.

## CLIMBING AND TRAILING PLANTS

**Ampelopsis Quinquefolia**—Virginia creeper. Each 50c to \$1.00.

**Ampelopsis Engelmannii** (Imp. Boston Ivy) Each 75c to \$1.50.

**Clematis Henrii**—Large creamy white flowers. Each \$1.00.

**Clematis Jackmanii**—Purple flowers. Each \$1.50.

**Clematis Paniculata**—New Japanese sweet scented. 50c.

**Ivy English**—Evergreen. 25c to 50c.

**Wistaria Chinensis**—Purple. Each, \$1.00 to \$2.50.

**Honeysuckle**—Hall's Japanese, or Halle-num. Each 75c to \$1.00.

**TROWELS AND HAND WEEDERS**

No. 80 Garden Trowel—One-piece steel 6-inch blade, smooth handle. Each 25c.

No. 81, Transplanting Trowel—One-piece steel, 6-inch by  $1\frac{3}{4}$  inches wide, smooth handle. Each 25c.

No. 85, Galvanized Trowel—Made from very heavy galvanized steel; one piece. 10c.

No. 82, Steel Garden Weeder—Made from one piece of steel; has five strong pointed fingers. Each 25c.

Large Long Handled Bamboo Leaf Rakes—Each 40c.

Small Short Handled—Each 15c.

**WOODEN TREE LABELS**

Copper wired, painted,  $3\frac{1}{2}$  in. doz, 10c; 100 50c; 1000 \$3.50.

**POT and GARDEN LABELS**

Painted Pot Labels, 4 in. doz, 10c; 100 30c; 1000 \$2.25.

5 in. doz, 10c; 100 35c; 1000 \$2.75.

6 in. doz, 15c; 100 40c; 1000 \$3.75.

**Painted Garden Labels—**

8 in. doz. 20c; 100 \$1.00; 1000 \$6.50.

10 in. doz. 25c; 100 \$1.50; 1000 \$12.00.

12 in. doz. 30c; 100 \$2.00; 1000 \$18.00.

**PLANT STAKES****Green Painted Bamboo:**

$1\frac{1}{2}$  ft. doz. 15c; 100 75c.

2 ft. doz. 20c; 100 \$1.25.

$2\frac{1}{2}$  ft. doz. 20c; 100 \$1.50.

3 ft. doz. 25c; 100 \$2.00.

$3\frac{1}{2}$  ft. doz. 35c; 100 \$2.50.

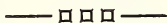
4 ft. doz. 40c; 100 \$3.00.

**GRAFTING WAX**

Towbridge— $\frac{1}{4}$  lb. pkg. 20c;  $\frac{1}{2}$  lb. pkg. 30c; 1 lb. pkg. 50c.

**RAFFIA**

Natural raffia for tying vegetables. Pound 45c. Write for prices on large quantities.

**INSECTICIDES AND FUNGICIDES****MOLE EXTERMINATORS**

Torpedos, to be placed in holes or runways, forming a gas that quickly kills them.

Each 10c; 3 for 25c; 10 for 75c.

**B-K****BACILI-KIL**

Powerful Disinfectant, Sterilizer, Deodorant

Antiseptic—Sodium hychlorite solution. Contains no poisons or acids, is a safe and effective aid in household sanitation.

4 oz. 35c; 10 oz. 60c; 32 oz. \$1.25.

**CARCO VEGETABLE SPRAY**

For destroying and preventing maggots, grubs and worms that infest turnips, radishes, beets, rutabagas, cabbage and cauliflower, etc., also for combating crown borers in strawberries. Applied when setting plants or sprayed along the rows. "Carco is highly concentrated; use one part with 100 to 125 parts of water.

$\frac{1}{2}$  pt. 35c; pt. 60c; qt. \$1.00.

Rex Sulphur Lime Solution, liquid, 1 quart 35c;  $\frac{1}{2}$  gal. 50c; gallon 85c; 5 gallons \$2.75; 10 gallons \$5.25; 50-gallon barrel \$15.00.

Dry Lime Sulphur—Lb. can 35c; 5-lb. can \$1.25; 10-lb. can \$2.00; 25-lb. can \$3.75.

Napthalene Flakes—Lb. 20c; 5 lb. 90c.

For killing root maggots, the various fungi in the soil and keeping moths and flies away.

**TREE TANGLEFOOT**

A sticky substance applied to the bark of trees to protect them from all climbing insects. One application lasts three or four months and prevents ants from entering tree tops.

Lb. 60c; 5 lbs. \$2.75; 10 lbs. \$5.25.

Arsenate of Lead— $\frac{1}{2}$  lb. 30c; lb. 55c; 4 lbs. \$1.25.

Dry Bordeaux—Lb. 35c; 4 lbs. \$1.20.

Paris Green— $\frac{1}{4}$  lb. 20c;  $\frac{1}{2}$  lb. 35c; lb. 65c.

Sulphur—Lb. 10c; 3 lbs. 25c; 100 lbs. \$3.25.

Black Leaf 40—Oz. 35c;  $\frac{1}{2}$  lb. \$1.25; 2 lbs. \$3.25; 10 lbs. \$11.85. Kills aphids.

Tobacco Dust—Lb. 15c; 2 lbs. 25c.

Snarol—Poison bait for earwigs, slugs, snails, cutworms, grasshoppers, etc. lb. 40c; 3 lbs. 85c.

Hellebore— $\frac{1}{4}$  lb. 20c;  $\frac{1}{2}$  lb. 35c; lb. 50c.

Fish Soap—Lb. 15c.

Bluestone—Lb. 15c; 2 lbs. 25c; 10 lbs. \$1.40.

Fly-Tox—Kills Flies, Moths, Mosquitoes, Roaches, Fleas.  $\frac{1}{2}$  pints 50c.

Hammond's Slug Shot—Lb. 25c; 5 lbs. 75c.

**Formaldehyde—**

Kills scab and prevents blight on potatoes. 1 pint makes 30 gallons. Soak seed potatoes in solution for two hours.

$\frac{1}{2}$  pint 50c; pint 90c.

Zenoleum—A disinfectant, insecticide and lice killer. Small cans 35c; pts. 50c; qts. 75c;  $\frac{1}{2}$  gal. \$1.25; gal. \$2.00.

## SPRAY PUMPS AND SPRAYERS

**Baby Midget**—A well constructed tin sprayer for fruit and flowers. 35c.

**Ideal**—Fine mist sprayer; larger than the above, for poultry and stock. 50c.

**Glass Tank Sprayer**—One quart Mason jar, not affected by spraying material. 75c.

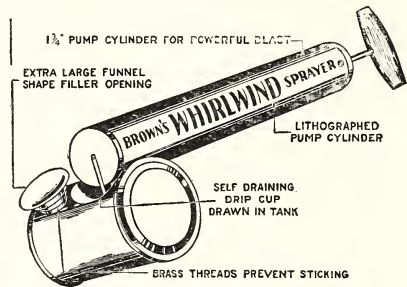
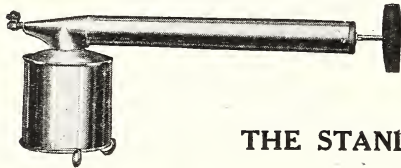
**Continuous Tin Sprayer**—Quart \$1.00.

**Continuous, Galvanized**—Quart \$1.25.

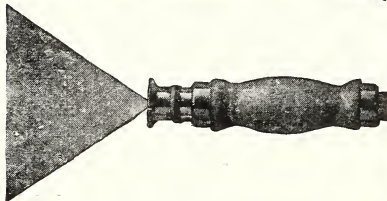
**Continuous All Brass Hand Sprayer** \$1.75.

**Tin Dust Sprayer** 50c.

**Compressed Air Sprayer. Galvanized** \$6.50;  
**brass** \$9.50.



### THE STANDARD SPRAY PUMP

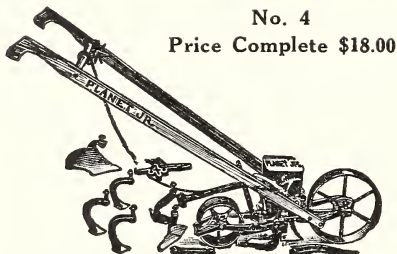


Weight 6 lbs.

Warranted for Five Years

The Standard, with 3½ feet of hose, full set nozzles and extension rod.....	\$6.50
Knapsack attachment .....	\$3.75
Without extension rod.....	5.50
Extra hose, per foot.....	.20

## Planet Jr. Garden Tools

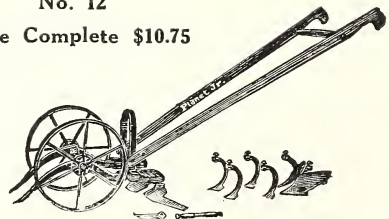


No. 4

Price Complete \$18.00

The best combination of hill and drill seeder on the market today. Used more than any other. Sows vegetable seed at the proper depth; drops in drills. Complete cultivation attachments.

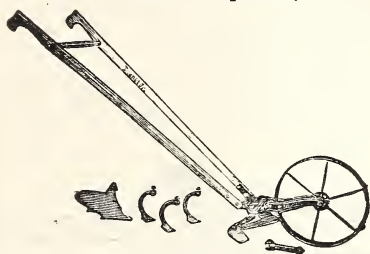
No. 12  
Price Complete \$10.75



A combination of a double and single wheel hoe. Very useful in the home or market garden; a double wheel hoe. The rows can be worked at one time; the assortment of attachments combine making it very useful.

No. 17

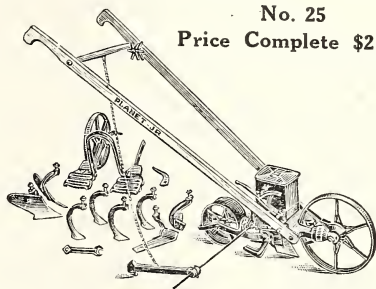
Price Complete \$7.75



Equipment, one garden plow, three steel cultivator teeth and pair six-inch hoes. Does practically the same work of the Double Hoe, but is lighter.

No. 25

Price Complete \$21.50



Recognized as the best combined seeder and combined cultivator on the market to-day. Cultivates two rows at once, furrowing, hilling and all.



## POULTRY AND STOCK FOODS, REMEDIES AND INSECTICIDES

**Poultry Pepper**—Our Mexican chili pepper is a necessity for laying hens during the moulting season. One tablespoonful in a mash to 12 to 14 fowls. **Lb. 25c; 5 lbs. \$1.**

**Charcoal**—A good thing for bowel trouble, sour crop and indigestion; two sizes, Chick and Hen. **Lb. 10c; 3 lbs. 25c.**

**Granulated Bone**—Our granulated bone is made from hard white raw bones, and is of a superior quality; an indispensable food for laying hens. **Lb. 10c; 4 lbs. 25c.**

**Granulated Shell**—By analysis almost the same as the shell of the egg. **4 lbs. 10c.**

**Grit**—All fowls must have a supply of good, sharp grit to grind their food at all times. Made in two sizes. **4 lbs. 10c.**

**Blatchford's Milk Mash**—For growing chicks. **3 lbs. 25c; 10 lbs. 75c; 25 lbs. \$1.50.**

**Chick Food**—Containing the proper elements for success with your baby chicks. **Market price.**

**Developing Food**—Should be used after the fourth or fifth week to insure the proper growth of bone and muscle in the growing chick. **Market price.**

**Scratch Food**—A well balanced ration for the laying hens and growing fowls. **Market price.**

**Laying Mash**—A mixture of grains, fish-meal and alfalfa meal. **Market price.**

**Beef Scraps**—To keep hens laying all win-

ter feed three times a week. **Lb. 10c; 3 lbs. 25c; 100 lbs. ask for prices.**

**Pigeon Food**—A balanced ration for pigeons. **4 lbs. 25c.**

**Licene**—Head lice ointment for chicks. **Tube 60c.**

## Save Your Baby Chicks

### Put AVICOL

in the drinking water

Avicol is guaranteed for the treatment and prevention of white diarrhoea or baby chick cholera. Easily used and inexpensive. Price 50c and \$1. **Sold Under a Money-Back Guarantee.**

## AVICOL

### Stops Chicks Dying

**Lee's Germozene**—For poultry. The cure that cures. Its action is marvelous. Never fails to cure bowel complaint, cholera, roup, colds, etc. Whatever malady threatens, will cure or prevent. Don't be without it. **Liquid. 50c and 75c.**

## FOOD REMEDIES AND INSECTICIDES (Continued)

Fumigating Sulphur Candles—Each 10c; 3 for 25c.  
 Egg Cartons—Doz. 15c; 100 \$1.00.  
 Epsom Salts—Lb. 10c; 3 lbs. 25c; 10 lbs. 75c.

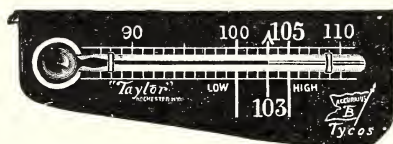
**Makes Hens Lay!***Works wonders in any flock*

**Get DON SUNG (Chinese Egg Laying Tablets) at Our Store**

DON SUNG gets the eggs in any weather. It acts directly on the egg-laying organs and is beneficial in every way. Keeps the flock healthy and happy. They lay regularly. It's easily given, inexpensive and guaranteed to do the work—or your money will be promptly refunded. We have DON SUNG in stock and can recommend it to all poultry raisers.

Price 50c (Large size, \$1, holds 3 times as much)

## TYCOS INCUBATOR THERMOMETER THERMOMETERS



Taylor's Incubator Hygrometer. \$1.75.  
 Taylor's Incubator Thermometer. \$1.00.  
 Taylor's Incubator Thermometer, certified. \$1.25.

Taylor's Brooder Thermometer. \$1.25.  
 Fleischmann's Yeast. For stock and poultry. Lb. \$1.00; 2½ lbs. \$2.00.

Oakes Egg Scale—19 or 22 oz. 50c.

Giltedge—Weights all grades. \$1.25.

Pratt's Cholera Remedy 25c.

Pratt's Chicken Pox Remedy 25c.

Pratt's Gape Remedy 30c.

Pratt's Head Lice Ointment 30c.

Pratt's Roup Remedy 25c.

Pratt's Roup Pills 25c.

Pratt's Poultry Laxative 25c.

Pratt's Scaly Leg Remedy 30c.

Pratt's Black Head Remedy 25c.

Pratt's Bronchitis Remedy 25c.

Pratt's Worm Powder, 2-lb. pkg. 50c.

Pratt's Lice Powder, 1-lb. can 25c; 2½-lb. can, 50c.

Pratt's Poultry Regulator—It builds up vitality, promotes sound digestion, sharpens appetite, thus helping to put birds into condition for heavy egg laying. Put up in 25c and 50c pkgs. 9 lb. box, \$1.10.

Conkey's Roup Powder 30c and 60c pkgs.

Pet Lick Salt—For rabbits, etc. 10c each; 3 for 25c.

Cattle Salt Lick—Large block. 15c each.

**Creosote**—Used as a lice and mite exterminator, also as a wood preserver. ¼ gal. 40c; ½ gal. 70c; gal. 95c.

**Sodium Fluoride**—For lice on poultry and fleas on dogs and cats. ¼ lb. 15c; ½ lb. 25c; lb. 40c.



**Leader**—Latest and best adjustable leg band out. Has neat, compact and smooth fastening, with no catching points; easily attached and is absolutely secure. Price 12 for 15c; 25 for 25c; 50 for 45c; 100 for 70c.

**Spiral Colored Leg Bands**—Made like a key ring—easy to put on; nothing to catch or tear off—instantly identifies your birds as far as you can see the color. All sizes from chick to mature fowls. Doz. 10c; 50 for 30c; 100 for 50c.

**Turkeys and Geese**—15c doz.

**Moe's Food Troughs**—Galvanized iron. 18-inch 60c; 24-inch 70c.

**Moe's Round Baby Chick Feeder**—Each 15c and 25c.

**Star Jar Fountain**—10c each.

**China Nest Eggs**—Best grade opal eggs. Doz. 25c.

**Kow Kare**—Per pkg. 65c and \$1.25.

**Conkey's Fly Knocker**—Qt. 60c; ½ gal. 90c. gal. \$1.75.

**Bag Balm**—A soothing, penetrating ointment for all infections of the cow's bag. Pkg. 65c.

**Garget Cure**—A complete and positive remedy for garget. Pkt. 65c.

**Tobacco Treatment for Worms in Poultry**  
**—Wet Mash Treatment**—Steep 1 pound of tobacco powder two hours in enough water to keep the dust well covered. Mix with 4 quarts of mash. Feed during the midafternoon to 100 birds which have been fasted since the previous day. Take care that each bird gets its share and no more. Two hours later feed 1 lb. of Epsom Salts dissolved in water and mixed into 3 quarts of mash. Repeat the above treatment one week later. Price, lb. 15c; 2 lbs. 25c.

## SINGING AND DECORATIVE BIRDS

### ST. ANDREASBERG CANARIES

These beautiful birds are the favorite songbird for the home, bringing cheer and contentment with their joyous song. We make a specialty of Canaries and have on hand at all times a supply of the celebrated St. Andreasberg (Bell Note Rollers), considered the finest singers among the Canaries. These birds are handled only by experts, who train their vocal powers. Can you imagine a Canary singing parts of a song to the tune of a flute or violin. That is what the St. Andreasberg Rollers do. And he does more—he will imitate the tones of silvery bells that sound like chimes in the distance.

These birds are raised and taught in the Hartz Mountain district, Germany. During the education of St. Andreasberg Canaries a close watch is kept on every bird and any that make the slightest mistake or sound a discordant note are immediately taken away. For the home nothing can be more appropriate than a soft, soothing, well-trained St. Andreasberg Canary.

Male Birds—In full song, \$12.50 and \$15 ea.

Female Birds—For breeding, \$5 each.

### AMERICAN OR DOMESTIC CANARIES

We have in stock at all times a fine collection of American Canaries in full song, of beautiful orange and linnet colors. Their notes are louder and more penetrating than the soft tones of the St. Andreasberg Canaries. They are more appropriate for theatre, banquet halls and large rooms.

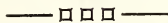
Male Birds—In full song, \$7 to \$10 each.

Female Birds—For breeding, \$1.25 up.

### PARAKEETS GREENSHELL (Love Birds)

Popular Ornamental Birds generally sold in pairs. Become quite tame and are trick performers. \$8.00 per pair; \$4.50 each.

We also carry Parrots, Macaws, etc. Write for information and prices.



## BIRD SEEDS

### JACOB KAUFFMANN CO.'S BIRD SEED



WRITE  
FOR  
QUANTITY  
PRICES.

is unsurpassed quality, thoroughly cleaned and fresh, put up twice weekly consisting of the various seeds in proper proportions for the welfare of your Canaries.

**Special Roller Mixture**—Our best. Without Hemp or Millet. 25c per pkg. or bulk.

**Special Mixture**—Without Hemp, has Millet. 20c pkg. or bulk.

**Hemp Mixture**—Has small amount of Hemp. 20c pkg. or bulk.

**Oriental Mixture**—For Birds from Orient; no Rape Seed. Lb. 20c.

**Parakeet Mixture**—For Love Birds. Lb. 20c.

**Parrot Mixture**—Sunflower, Paddy Rice, Pine Nuts, etc. Lb. 20c; 2 lbs. 35c.

**Competition Mixture**—With Hemp and Red Millet. Lb. 15c; 2 lbs. 25c.

**Finch Mixture**—Lb. 20c.

**Bird Gravel**—Fine, white. 2-lb. pkg. 10c; 6-lb. 25c bulk.

**Philadelphia Mixture**—Pkg. 25c.

**Max Geisler Mixture**—Pkg. 25c.

**Spratt's Seed and Fruit Mixture**—Pkg. 25c.

**Gravel**—Philadelphia Red Gravel. Lb. 10c.

**White Gravel with Charcoal**—2lb. pkg. 15c.

**Parrot Gravel**—Lb. 5c.

**Gravel Paper**—For the bottom of bird cages.

Keeps the bird in health and song, prevents the bottom of the cage from rusting, forms an artificial ground for birds to scratch upon. Doz. sheets 30c.

**Canary Seed**—Imported Sicily. Lb. 15c.

**Canary Seed**—Giant Spanish. Lb. 20c.

**Flax Seed**—Used sparingly. Lb. 15c; 2 lbs. 25c.

**Imported Sweet Rape Seed**—For Canaries. Lb. 20c.

**Groats (hulled oats)**—Lb. 10c.

**German Rape**—Lb. 25c.

**Hemp Seed**—Used in mixtures. Lb. 15c. 2 lbs. 25c.

**Lettuce Seed**—For Canaries. Lb. 50c.

**Maw (Blue Poppy)**—For Canaries. Lb. 75c.

**Millet, Golden German**—Lb. 15c.

**Niger Seed**—For Birds. Lb. 75c.

**Paddy Rice**—For Parrots, Cockatoos and Macaws. Lb. 15c.

**Pine Nuts**—Lb. 60c.

**Sunflower**—White domestic. Lb. 15c.

**Red Millet**—Lb. 10c; 3 lbs. 25c.

## BIRD TONICS

**Bird Bitters**—A specific for the restoration of song and an unfailing remedy for nearly all the diseases of cage birds. **Price 25c.**

**Bird Eye Water**—A specific for the cure of sore eyes and inflammation of the eye lids of all kinds of cage birds and other domestic pets. **Price 25c.**

**Birdolene**—Will improve the bird's voice; a relief for loss of song, hoarseness, asthma, shedding of feathers out of season; also a preventative against most diseases common to canaries and seed eating birds. New large 2¾-oz. size. **Price 25c.**

**Bird Manna**—It keeps the birds in constant song. Improves the plumage and prevents disease of seed eating birds. **Price 15c; 2 for 25c.**

**Bird Tonic** (Max Geisler's)—This medicine is of great value to birds which have lost their appetite, or when their bowels are out of order (diarrhoea or constipation), and is a certain cure for all diseases caused by weak stomach. **Bottle 30c.**

**Buker's Bird Roll**—For Canaries and all cage birds; keeps birds in health, song and plumage; restores loss of song and prevents diseases of cage birds. **Price 15c; 2 for 25c.**

**Cod Liver Oil Nestling Food**—Is an invigorating and healthy preserving diet for Canaries, etc. A substitute for egg food, being less expensive and more easily prepared. It is a valuable tonic, a flesh and bone maker, keeping the birds in perfect health. **Price 15c. Large pkg. 25c.**

**Henning's Tonic**—For the prevention and cure of all diseases which cage birds are subject to; colds, asthma, hard breathing, shedding of feathers out of season, diarrhoea, etc. **Price 15c.**

**High Balls**—Will improve the bird's voice and keep him in song. **Price 15c; 2 for 25c.**

**Kaempfer's Bird Asthma Tablets**—A remedy for asthma, colds, hoarseness and all throat trouble. **Price 25c.**

**Kaempfer's Bird Diarrhoea Tablets**—A remedy for diarrhoea and all bowel trouble common to cage birds. **Price 25c.**

**Kaempfer's Bird Laxative Tablets**—A remedy for constipation. **Price 25c.**

**Kaempfer's Bird Liniment**—A prompt and efficient remedy for all diseases of the feet. **Price 25c.**

**Kaempfer's Foot Ointment**—For all foot troubles. **Price 25c.**

**Kaempfer's Parrot Powders**—For diarrhoea, bloody flux or any deranged condition of the bowels. **Price 25c.**

**Kaempfer's Parrot Remedy**—For colds, diarrhoea, all bowel and stomach disorders. Liquid. **Price 35c.**

**Max Geisler's Maizeau Bird Biscuit**—A combination of eggs with other ingredients suitable for song birds. **Price 20c.**

**Max Geisler's Song and Moulting Food** for birds out of condition. **Price 20c.**

**Geisler's Parasite Remedy.** **Price 15c.**

**Merican Salve**—Is used for the loss of plumage, sores, abrasions and wounds of domestic animals, such as Canaries and other pet birds, dogs, cats, horses, cows, etc. **Price 25c.**

**Mite Powder**—For mites, lice, parasites, etc. **In pkg. or bellows 25c.**

**Empty Bellows**—15c.

**Mocking Bird Food**—Suitable also for Robbins, Thrush, Blackbirds and all soft-bill birds. **Price 50c.**

**Moulting Pepper**—For changing the plumage of Canaries from yellow to red. **Price 25c.**

**Nestling Food**—A substitute for hard boiled egg and cracker, fed to young Canaries. **Price 25c.**

**Parrot Spray** (Max Geisler)—A liquid spray for Parrots, will brighten their plumage. **Bottle 35c.**

**Parrot Tablets**—To keep Parrots from picking out their feathers and for maintaining Parrots in good general condition of the bowels. **Price 25c.**

**Pepper Pod (Chili)**—For Canaries. **Oz. 10c.**

**Phenolated Brassic Oil**—For mites, parasites, etc. To use on cages. **Price 25c.**

**Piep (Wonder Food)**—For Canaries and all cage birds. Manufactured according to the formula of Prof. Dr. Schultz of Berlin. A food of merit composed of various herbs, minerals and nutritive salts essential to cage birds. **Price 20c.**

**Plumage Restorer**—For restoring the plumage of Parrots, Canaries and other cage birds. **Price 25c.**

**Song Restorer** (Drahotas)—A special treat for canaries and other song birds; it is of the highest advantage to birds that are moulting and those that have lost their voice from colds, drafts, etc. **Price 15c.**

**Spratt's Ants Eggs**—For Mocking Birds, Larks, Thrushes, Robins and other soft-bill birds, young Pheasants, Quail. **Price 25c.**

**Spratt's Bird Wash**—To wash the cage and to put in the bath water to kill mites, fine for their plumage. **Price 25c.**

**Spratt's Canardyne** (Tibbs)—For asthma and wheezing in cage birds. **Bottle 25c.**

**Spratt's Color Food**—Color food for Canaries for natural red plumage; specially prepared. **Price 25c. Or, Orange color, 25c.**

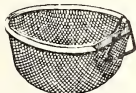
**Spratt's Parrot Tonic**—Is a specially prepared tonic for Parrots, Cockatoos, etc., also suitable for Canaries and other cage

birds. All birds in confinement require a little tonic medicine during moulting and this tonic will be found most beneficial. Price 35c bottle.

**Spratt's Song Restorer**—A treat and tonic for Canaries, Linnets and all seed eating birds. Per can 25c.

**Spratt's Sing Song**—Tonic and treat, fast-ens on the cage. Price 15c; 2 for 25c.

## BIRD ACCESSORIES



**Wire Nest with Swivel**—4 inches in diameter; vermin proof. Adapted to all breeding cages. Price 15c.

**Bird Nesting**—Clean, sanitary nesting of deer hair makes a warm bed. Price 15c.

**Canary Whistles**—For starting Canaries singing, water filled notes, great imitators. Price 10c, 15c, 35c.

**Brass Wire Guards**—For preventing seeds dropping from cages, with clasp for fastening. 2½-in. 25c ft.; 3½-in. 40c. ft.

**Brass Cuttle Bone Holder**—For fastening cuttlebone on cages. Each 5c, 10c.

**Brilliantshine Metal Polish**—For cleaning brass cages. Can 25c.

**Cuttle Bone**—A polished bone especially for cage birds. Price 5c, large 10c.

**Cage Springs**—Brass. Single 15c, 20c; double 25c, 35c. Single with 2-ft. chain 35c.

**Cage Brackets**—20c, 25c.

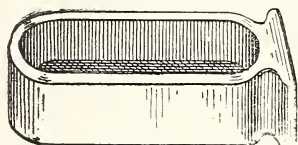
**Canary Swings**—10c.

**Red Mite Traps**—25c.

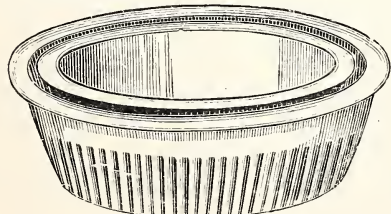
**Canary Leg Bands**—Celluloid, assorted colors. Doz. 25c.

**Aluminum Bands**—Numbered. Doz. 30c.

**Opal Food Dish**—A sanitary porcelain cup that holds just enough for one feeding.



Designed especially for use in giving to-ics. Price 5c.



Canary Bath

These are of porcelain construction and will last indefinitely. Opal 15c. Glass 15c.

**Delta Canary Bath House**—Attractive new style, no glass to break. White 75c; red, green or blue, 85c; satin brass, \$1.00! polished brass, \$1.15.

**Feed and Water Cups**—For wicker and Chinese cages. Each 20c; large 25c.

**Opal, open or closed top Feed and Water Cups** 15c.

**Glass, open or closed top Feed and Water Cups** 10c.

**Opal Cloverleaf** 15c.

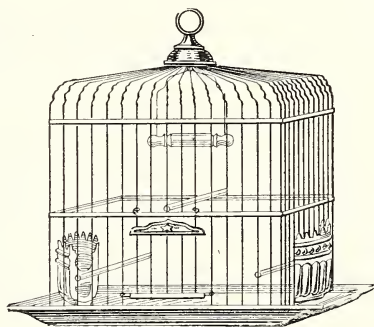
**Blue Closed Top** 15c.

And other styles.

**Parrot Cups**—Indestructible galvanized cast iron for food and water. Each 50c.

## BIRD CAGES AND ACCESSORIES

The superior qualities of our Cages will please the most critical. We stock a selection for housing the following varieties: Canary, Linnet, Parrot, Paroquets, Finches and Breeding Cages. We can furnish your requirements on short notice.



The above cages are enameled all white, furnished with white opal cups.

With wire screen 50c higher.

Sizes \$2.00, \$2.25, \$2.50, \$2.75, \$3.00, \$3.25, \$3.50.

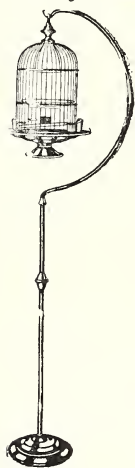
### Hendryx Breeding Cages

	Length	Width	Height	
No. 86S	17 in.	8½ in.	12 in.	\$6.75
No. 86	19½ in.	10 in.	13 in.	7.25
No. 87	22 in.	11 in.	14½ in.	7.75
No. 88	24 in.	12¼ in.	16 in.	8.50

### Hendryx Parrot Cages

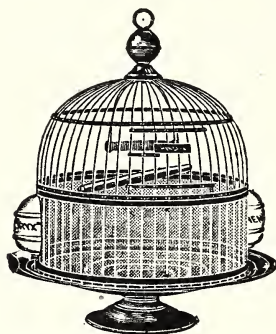
Round			
No. 80	.....		\$9.00
No. 85	.....		9.50
No. 90	.....		10.50
Large Square	.....		12.50
Small Square	.....		8.50

Hendryx Parrot Stand—\$13.50

No. 18-A  
"HENDRYX"

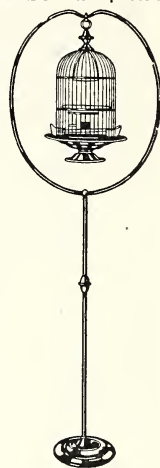
"Hendryx" polished brass No. 18A—\$3.75 and \$4.65. Or in colors to match above colored bottom cages, red, blue or green, \$3.45.

Fancy Brass Parrot Stand—\$18.50



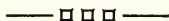
	Each
No. 274—10¼ inches diameter.....	\$3.50
No. 275—11 inches diameter.....	4.25
No. 176—11¾ inches diameter.....	4.75

The above cages are all brass with brass screen and white opal cups. Or colored flat bottoms and unbreakable cups to match in red, blue or green. Same prices.

"HENDRYX"  
No. 19-A

Polished Brass Stand No. 19A—\$4.75, \$5.00 and \$5.50. Or in colors to match above colored bottom cages, red, blue or green, \$3.85. Many other styles.

Fancy Cage Covers—To protect the birds at night. \$1.00.



## GOLD FISH

Did you ever own a globe or aquarium? You admire them, no doubt, for their pretty, exquisite coloring and graceful movements. If you have never kept fish you can not realize how interesting they are after you become familiar with them. There is very little trouble in keeping gold and other ornamental fish in a good, healthy condition. All that is required is to take a little time and absorb general instructions concerning the management of a balanced aquarium.

### The Globe or Tank

Some prefer for small living rooms a bowl, others tanks. Either will answer, providing the area is enough. Experience has proved that approximately one inch of fish to every gallon of water is the quota. In an ordinary fish globe you should not keep more than one or two small goldfish. After cleaning your globe or tank should be filled with clear cold water. Never use hot water or soap, as this is liable to contaminate the water and kill the fish.

Water plays an important part in the health of fish. The best water to use is city or lake; well water will answer if it is pure. (Don't use sulphur or lime water. Boiled or distilled water contains no oxygen and should not be used. Cold water contains too much oxygen. In the winter let the

water stand in a warm room until the chill is off, otherwise cold water starts a fungus growth which is fatal to fish. Temperature should run between 50 and 70 degrees Fahrenheit. Light is an important thing for the right functioning of an aquarium. See that the globe or tank can get plenty of bright white light all the time and a little sun for an hour of the day will be helpful.

### Feeding

Feeding: Most people overfeed. Care must be taken that the fish do not get more than they can consume in about five minutes and never feed more than this. The uneaten food decays and poisons the water, with death as result. It is well enough to feed once a day. It is better to underfeed than overfeed.

We handle only American fish. Price 20c each and up, according to size.

## GOLD FISH AND ACCESSORIES

**Improved Wafer Fish Food**—A highly nutritious preparation which is readily eaten by gold fish. 10c per box.

**White Sand or Gravel**—Absolutely clean, is very beneficial for aquarium, bird cages, etc. 2-lb. pkg. 10c; 6 lbs. 25c.

**Fish Nets**—For handling gold fish without danger of injury to them. Medium size each 25c.

**Spratt's Zeke**—For all kinds of aquarium and other fish, also a great treat and delicacy for cage birds, etc. **Price 15c.**

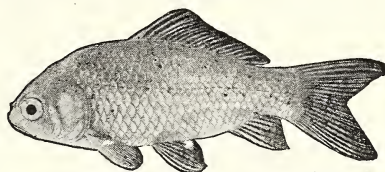
**Burnett's Natural Fish Food**—The food that fish thrive on. Strew a small quantity on the surface of the water. Do not feed more than the fish will eat at a time. **15.**

**Fish Green**—For globes and tanks. **Bunch 15c.**

**Ground Shrimp**—This is a new fish food; takes the place of worms. **Oz. 10c.**

**Castle**—For embellishing fish bowls and tanks. From **25c to \$1.25.**

**Shell**—For globes. **20c, 25c lb.**; large shells, **5c each.**



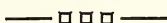
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### CASTLE

We keep an assortment of Glass Fish Globes varying in price. **25c and up. Tanks \$3.50 up.**



## PET STOCK

### DOGS

Choosing the right dog! What does this mean, and how can it be assured? It means a dog that bears good health and good breeding. No one would knowingly select a dog or any other animal that is ill, lacking in stamina or otherwise in anything but a normal state of health, which situation immediately suggests a dog that is country bred. Then there are age and sex; now and then a mature dog may prove the choice, because he is house-trained and settled in deportment. But generally a puppy two to four months old will have the preference, as they can be brought up as you wish. In regard to sex, male dogs are more independent and masculine in character than female, while the latter are inclined to greater docility and greater freedom from other dogs. In intelligence the two sexes are about on par. As to price, a female is almost always less expensive. Whatever the age or sex of the dog you select, let him be well bred, not necessarily a blue ribbon winner, unless you are ambitious to enter the show game. The choice of a breed is a personal matter. For example, the larger active breeds are adapted to the country or suburban homes, where they can have free exercise and fresh air. In the city the smaller kinds are more fitting, less space, less dog. Each of the fifty or more standard breeds has its individual traits which distinguish it from the others. Feed him stale bread and milk, well cooked vegetables, puppy or dog biscuits, a little lean meat, a good, heavy bone to gnaw on at least once a week. Avoid poultry bones and potatoes in any form. Your personal questions of matters pertaining to dog care, etc., will have our attention. For accessories see following pages.

### DOGS

We carry in stock or can procure on short notice the following varieties of dogs:

Boston Terriers  
French Terriers  
Irish Terriers  
English Bull Terriers

Scotch Terriers  
Fox Terriers (Wire Hair)  
Fox Terriers  
(Smooth Coated)

Airedale Terriers  
English Bull  
English Pit Bull  
American Pit Bull

Collie, Shepherd, German Shepherd (or Police), Dachshund, Russian Wolf Hound, Poodle, Pomeranian; Dogs and Puppies. **Prices on application.**

### DOG ACCESSORIES

Blankets  
Brushes  
Collars

Chains  
Combs  
Harness

Leads  
Locks  
Muzzles

Sweaters  
Traveling Bags  
Whips

Couplers  
French Snaps  
Bull Dog Grips

## DOG REMEDIES



We are always glad to answer questions and should like to hear from you. All information free on care and feeding, etc.

**Clayton's Dog Pills**—For all conditions of the blood. A purifier. For abscesses, eczema, etc. **Price 60c.**

**Clayton's Canker Lotion**—For disease of the ear, a reliable remedy for internal and external cankers, deafness, etc. **Price 60c.**

**Clayton's Cough Remedy**—For coughs, colds, soreness of the throat and air passages. **Price 60c.**

**Clayton's Tape Worm Expeller**—For tape worms. **Price 60c.**

**Clayton's Mange Remedy**—For many kinds of skin diseases, ordinary mange, eczema and extensively used for the human scalp. **Price 60c.**

**Clayton's Puppy Tonic**—Is an excellent remedy for puppies, to make them thrive and grow strong and healthy. **Price 60c.**

**Clayton's Worm Pills**—For intestinal parasites. **Price 60c.**

**Clayton's Rheumatic Remedy.** **Price 60c.**

**Clayton's Condition Pills**—With pepsin, these pills will be found an excellent remedy for all debilitated conditions of the system. **Price 60c.**

**Clayton's Chorea Tablets** — (Twitching) **Price 60c.**

**Clayton's Distemperine**—Must be given immediately as any delay causes it to become incurable. **Price 60c.**

**Clayton's Diarrhoea Remedy**—A reliable remedy for acute and chronic diarrhoea. **Price 60c.**

**Clayton's Distemperine Tablets**—For distemper, coughs and colds. **Price 60c.**

**Clayton's Eye Lotion**—For diseases of the eye. **Price 60c.**

**Clayton's Kill Flea Powder**—To rid cats, dogs, birds and many other domestic animals of fleas and lice, some ticks and other vermin on beds and bedding and in kennels, etc. **Price 35c.**

**Clayton's Laxative Pills**—Are to regulate the liver and will be found very effective in cases of dropsy, jaundice and chronic constipation; very common in house pets. **Price 60c.**

**Clayton's Vermifuge**—For worms in dogs of all ages and can be given to puppies when they are ten days old. **Price 60c.**

**Clayton's Shampoo Soap**—Its lather cleanses the skin and destroys that doggy odor so objectionable to house dogs. **Price 25c.**

**Clayton's Kill Flea Dog Soap**—Death to fleas, keeps the skin clean and healthy, improves the coat, will not injure the dog in any manner, contains no mercury or carbolic acid and yet kills the fleas. **Price 25c.**

**Clayton's Ceoline Wash**—Is death to fleas, lice and many kinds of ticks, an excellent disinfectant, deodorizer and germicide. **Price 35c.**

**Clayton's Cream Dog Soap**—Can be used on the most delicate skin with perfect safety. **Price 25c.**

**Skin Lotion**—For many kinds of skin disease, ordinary mange, eczema, particularly adapted for toy and pet dogs. **Price 60c.**

**Clayton's Red Worm Bullets**—For expelling worms in toy dogs and puppies from five weeks old up. **Price 60c.**

**Goitre Remedy**—To relieve enlarged glands of the neck. **Price \$1.00.**

### CLAYTON'S CAT REMEDIES

**Blood Purifying and Cooling Tablets**—Also mange, eczema, etc. **Price 60c.**

**Cat-Tonic Catnip Condition Tablets**—For all run-down conditions of the system. **60c.**

**Cat Wash and Disinfectant**—Kills fleas. **25c.**

**Cat Laxative Tablets**—Acts directly on the liver, keeps the bowels in good condition. **Price 60c.**

**Cat Worm Tablets**—Will expel worms. **60c.**

**Cat Mouth Wash**—For all ulcerated conditions of the mouth. **60c.**

**Cat Vermifuge Tablets (Liquid)**—Expels worms. **60c.**

**Cat Distemperine Tablets**—**60c.**

**Cat Cough Remedy**—**60c.**

**Cat Diarrhoea Tablets**—**60c.**

**Cat Digestive Tablets**—For all stomach disorders, vomiting, etc. **60c.**

**Cat Fit Remedy**—**60c.**

**Catnip Mice**—15c; 2 for 25c.

**Catnip Balls**—15c; 2 for 25c.

**Catnip**—Dried. **Pkg. 15c.**

### SARGAENT'S

**Sure Shot, Capsules or Liquid**—For expelling worms in dogs. **Price 60c.**

**Skip Flea Soap.** **Price 25c.**

## PUPPY AND DOG FOODS

### SPRATT'S DOG FOODS

**"Spratt's" Puppy Biscuits**—A perfect and whole food for puppies of all breeds. Puppies should be started on these biscuits when about one month old and they should be continued until such time as their teeth become large and strong, usually when they are about six months old. Follow directions on each package. **Cartons 45c; for larger quantities ask for prices.**

**Spratt's Charcoal Biscuits**—These biscuits are quite easily edible. The charcoal absorbs impure gases in stomach and intestines and acts as a corrective of internal ailments, fetid breath, etc. A few charcoal biscuits given regularly each week will be found an excellent safeguard against canine ills. **Bags, 100 lbs. \$12.75; 50 lbs. \$6.45; 25 lbs. \$3.25; 10 lbs. \$1.55; 5 lbs. 75c; Carton 45c.**

**"Spratt's" Fibo**—A splendid food for dogs that are "off their feed" or "shy feeders," or those recovering from sickness. Good as a change of food at any time for all dogs. **Carton 45c.**

**"Spratt's" Ovals**—The Pocket Dog Biscuit—A small meat fibrine dog biscuits, suitable as a staple diet for small dogs and toys, and to be carried in the pocket as an occasional snack when on a ramble with the dog. **Bulk, 2 lbs. 35c; 5 lbs. 75c.**

**"Spratt's" Dog Cakes**—Composed of meat, wheat and vegetables. The standard food for dogs. A staple and constant food for all breeds. Used at leading kennels and dog shows throughout the world. **Lb. 20c; 2 lbs. 35c; 5 lbs. 75c.**

**"Spratt's" Cod Liver Oil Biscuits**—Are invaluable for old or delicate dogs. Cod Liver Oil builds up a dog as well as a human being. **Carton 45c.**

**"Spratt's" Kibbled Dog Cakes**—These are the regular dog cakes, only broken. **Lb. 20c; 2 lbs. 35c; 10-lb. sack \$1.45.**

**Spratt's Dog Remedies**—50c pkg.  
**Distemperine**—75c pkg.

### SPRATT'S CAT FOODS

**"Spratt's" Cat Food**—A complete food for cats. Used at leading catteries throughout the world and daily becoming more popular. **Carton 30c.**

**"Spratt's" Fish Cat Food**—Use this as a change of diet, especially during the summer months. **Prices same as regular Cat Food. Carton 30c.**

**Vermex**—Wonderful flea and tick destroyer on dogs and cats. (Imported.) **80c.**

### GLOVER'S IMPERIAL DOG REMEDIES

**Cough Mixture**—For coughs, colds, asthma, bronchitis, etc. **Bottle 65c.**

**Condition Pills**—Contain alterative, digestive, tonic and fever subduing properties. **Box 65c.**

**Mange Medicine**—Is a harmless and valuable medicine for all skin diseases on animals; is instant death to fleas and vermin, and improves the growth of hair. **For Scratches on Horses or Bad Sores** of any kind it is unequaled; strictly non-poisonous. Not recommended for cats. **Bottle 65c.**

**Vermifuge**—Is a safe and certain destroyer of stomach worms in dogs. **Bottle 65c.**

**Worm Capsules**—Contain all the active principles of the Vermifuge. **Box 65c.**

**Diarrhoea Medicine**—For acute or chronic diarrhoea and all bowel complaints. **Bottle 65c.**

**Distemper Medicine**—Is a safe and reliable medicine for Distemper; subdues the fever at once, regulates the stomach, keeping up the appetite and general strength. A splendid thing for fever arising from any cause. **Bottle \$1.25.**

**Kennel and Stable Soap**—Contains in a modified form all the medicinal properties of the Mange Medicine, compounded with the finest Palm and Olive Oils, making a soap equal in quality to any toilet soap. It contains no potash or carbolic acid, both of which are injurious to the coat, burning up the natural oil and in time rendering the skin dry and the coat harsh. **Glover's Kennel and Stable Soap** is especially recommended for keeping the skin and coat in a healthy condition, and is particularly good for any humor, irritation or sores. It is largely used for skin and scalp troubles in human beings. **Cake 25c.**

### KO-VITA COD LIVER OIL

(Postpaid)

Blood, bone and general health builder, rich in vitamins A and B, for keeping dogs, birds, chickens, foxes and all pets in health and for successful growth of young. Write for pamphlets on your pet; state kind.

2-oz. bottles for Birds .....	\$ .25
5-oz. bottles (phos) all stock.....	.50
¼-gal. can (raw) for all stock.....	1.00
½-gal. can (raw) for all stock.....	1.75
1-gal. can (raw) for all stock.....	3.00
5-gal. can (raw) for all stock.....	13.50
Pure, high grade	

### ILAK SHAMPOO FOR DOGS, CATS

An excellent shampoo for humans. Natural oils of a dog are taken out when bathed for several days thereby catching cold. Ilak leaves these oils in the skin. No danger of a cold. No fleas, doggy odor or irritations. See them stop scratching or biting after a washing.

Small bottle.....	50c
Medium bottle .....	\$1.00
Large, for big dogs .....	\$1.65

**BENNETT DOG FOOD**

**Bennett's Milk-Bone Foods**—Are a standard preparation and in use by some of the largest kennels in the country with the utmost satisfaction. It is made on an entirely different principal from other food for dogs; it is a complete, easily digested, perfectly balanced, appetizing food; it is equally suitable for all breeds. Dogs do not tire of Milk-Bone Dog and Puppy Foods.

**Milk-Bone Puppy Food**—Cartons only 45c.

**Milk-Bone Dog Food**—Cartons only 45c.

**KEN-L-RATION**

**The Dog Food Supreme**—A wonderfully balanced ration. Ready to serve. The ingredients in this dog food contain properties so very essential for the growth and development of the dog, cat and wild carnivora. **Net Wt. per can 16 oz.; Each 20c; 2 for 35c; 3 for 50c; small can 10c.**

**Kit-E-Ration**—For cats. **Can 20c; 3 for 50c. Small can 10c.**

**Calo Rations**—Can 15c; 7 for \$1.00.

**Vitamont.** Cans 15c; 7 for \$1.00.

**Spratt's Bone Builder**—Can 75c.

**MILLER'S A-1 DOG RATIONS**

**Miller's A-1 Ration** can be fed alone or mixed with Table Scraps, Ground Meat, Bones, thoroughly cooked Fish, Soups, Broths, Vegetables or Milk. No hard or fast rules can apply on the amount required. Place before your dog a liberal amount of Miller's A-A Ration, let him eat all he can until he nibbles and plays, then take it away until his next meal time and in a few days you can ascertain the amount required to keep him in the pink of condition. **Lb. 15c; 2 lbs. 25c; 5 lbs. 60c; 10 lbs. \$1.15; 25 lbs. \$2.75; 50 lbs. \$5.35; 100 lbs. \$10.50.**

**CHAMPION PUPPY BISCUITS**

**A complete and perfect food for puppies** from weaning time on. **Lb. 15c.**

**CHAMPION DOG BISCUIT**

**A Standard dog food** used by the leading breeders. The very best results are obtainable by giving the biscuits dry, thereby compelling the dog to gnaw the food and mixing well with saliva, aiding digestion. **Lb. 15c.**

**Calcium Phosphate**— $\frac{1}{4}$  lb. 25c;  $\frac{1}{2}$  lb. 45c.

**Bone Meal** for a bone builder. **Lb. 20c.**

**RAT SCENT**

*A New Method of Poisoning Gophers and Squirrels*

**Price 35 Cents**

**RAT-SCENT** is a specially prepared poisoned combination of California grains, sun-dried and scented.

The scent attracts and draws rats and mice to the bait and the grain is blended to make it agreeable to their taste; in fact, they will eat it in preference to any other food.

**RAT-SCENT** attracts rats and mice as fish attracts cats and **RAT-SCENT** is the only preparation known that carries this scent and taste that rats and mice like.



Five years ago people in Southern California were holding mass meetings on gopher control. **Gopher-Scent** was placed on the market at that time to meet the emergency. It proved its effectiveness beyond the hopes of everyone concerned and thousands of boxes are being sold each year in California and through its merits it has spread to all gopher-infested States of the West.

**Gopher-Scent** is a specially prepared poisoned combination of California grains, sun-dried and scented. The scent attracts and draws gophers and squirrels to the bait and the grain carries a perfect blend which makes it agreeable to the taste; in fact gophers and squirrels will eat it in preference to any other food.

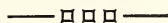
## QUANTITY OF SEEDS REQUIRED

Quantity per Acre

Alfalfa .....	10 to 20 lbs.
Alsike .....	8 to 10 lbs.
Artichoke .....	1 oz. to 500 plants, 6 ozs.
Asparagus .....	1 oz. to 500 plants, 1 lb.
Barley .....	100 lbs.
Beans, dwarf.....	1 lb. to 100 ft. drill, 50 lbs.
Beans, pole .....	1 lb. to 500 hills, 25 lbs.
Beet, garden.....	1 oz. to 50 ft. of drill, 5 lbs.
Beet, sugar or mangel .....	5 lbs.
Broccoli .....	1 oz. to 2,000 plants, 4 ozs.
Brussels Sprouts.....	1 oz. to 2,000 plants, 4 ozs.
Broom Corn .....	8 to 12 lbs.
Buckwheat .....	50 to 60 lbs.
Cabbage .....	1 oz. to 2,000 plants, 8 ozs.
Carrots .....	1 oz. to 125 ft. of drill, 3 lbs.
Cauliflowers.....	1 oz. to 3,000 plants, 4 ozs.
Celery.....	1 oz. to 1,500 plants, 4 oz.
Cheat.....	100 lbs.
Chicory.....	1 oz. to 100 ft. of drill, 4 lbs.
Clover, White, Alsike.....	6 to 10 lbs.
Clover, Red, Mammoth, Crimson and Bokhara.....	8 to 20 lbs.
Collards.....	1 oz. to 2,000 plants, 4 oz.
Corn, sweet.....	1 lb. to 200 hills, 15 lbs.
Corn, field.....	12 to 20 lbs.
Corn, pop.....	8 to 10 lbs.
Cress.....	1 oz. to 150 ft. of drill, 2 lbs.
Cucumber.....	1 oz. to 100 hills, 2 to 3 lbs.
Egg Plant.....	1 oz. to 2,000 plants, 4 oz.
Endive.....	1 oz. to 400 ft. of drill, 4 lbs.
Emmer.....	100 lbs.
Flax, for seed.....	30 lbs.; for fibre.....50 lbs.
Grass, lawn, mixed.....	1 lb. to 200 sq. ft.
.....	145 lbs.
Grass, Kentucky Blue, Canadian Blue.....	40 lbs.
Grass, Timothy.....	12 to 15 lbs.
Grass, Red Top in chaff.....	30 to 40 lbs.
Grass, Rye Grass, English and Italian.....	25 to 40 lbs.

Quantity per Acre

Grass, Red Top, solid seed.....	10 to 12 lbs.
Grass, Meadow Fescue .....	25 to 30 lbs.
Hemp .....	40 to 50 lbs.
Horse Radish Roots .....	10,000 to 11,000
Kale .....	1 oz. to 200 ft. of drill, 1 lb.
Kohl Rabi.....	1 oz. to 150 ft. of drill, 2 lbs.
Kaffir Corn .....	6 to 10 lbs.
Leek .....	1 oz. to 100 ft. of drill, 4 lbs.
Lettuce .....	1 oz. to 100 ft. of drill, 3 lbs.
Melon, Musk .....	1 oz. to 60 hills, 2 to 3 lbs.
Melon, Water.....	1 oz. to 30 hills, 3 to 4 lbs.
Millet .....	20 to 30 lbs.
Nasturtium.....	1 oz. to 50 ft. of drill, 15 lbs.
Oats .....	75 to 100 lbs.
Okra .....	1 oz. to 100 ft. of drill, 8 lbs.
Onion .....	1 oz. to 100 ft. of drill, 4 to 5 lbs.
Onions, for Sets .....	30 to 80 lbs.
Onion Sets.....	1 lb. to 40 ft. of drill, 400 lbs.
Parsley .....	1 oz. to 100 ft. of drill, 3 lbs.
Parsnip .....	1 oz. to 100 ft. of drill, 3 lbs.
Peas, garden .....	1 oz. to 50 ft. drill, 150 lbs.
Peas, field .....	90 to 120 lbs.
Pepper .....	1 oz. to 1,500 plants
Potatoes .....	400 to 600 lbs.
Pumpkin .....	1 oz. to 30 hills, 3 to 4 lbs.
Radish .....	1 oz. to 100 ft. of drill, 10 lbs.
Rape, Dwarf Essex .....	3 to 5 lbs.
Rutabaga.....	1 oz. to 150 ft. of drill, 2 to 3 lbs.
Rye .....	90 to 120 lbs.
Salsify .....	1 oz. to 50 ft. of drill, 8 lbs.
Sorghum, in hills .....	20 lbs.
Sorghum, in hills or broadcast.....	60 to 90 lbs.
Spinach.....	1 oz. to 75 ft. of drill, 8 lbs.
Squash, bush.....	1 oz. to 25 drills, 8 lbs.
Squash, vine.....	1 oz. to 12 hills, 2 lbs.
Sunflower.....	8 lbs.
Tobacco.....	1 oz. to 3,000 plants, 3 oz.
Tomato.....	1 oz. to 2,000 plants, 4 oz.
Turnip.....	1 oz. to 150. ft. of drill, 2 lbs.
Wheat.....	90 to 120 lbs.



### Number of Plants per Acre at Various Distances

In planting Trees the greater distance should be given in the richer soils.

Distance Apart	Square Method	Triangular
1 ft. apart each way.....	43,560	60,300
2 ft. apart each way.....	10,890	12,575
4 ft. apart each way.....	2,722	3,143
6 ft. apart each way.....	1,210	1,397
9 ft. apart each way.....	537	620
10 ft. apart each way.....	435	502

Distance Apart	Square Method	Triangular
15 ft. apart each way.....	193	223
16 ft. apart each way.....	170	196
20 ft. apart each way.....	108	125
25 ft. apart each way.....	70	80
30 ft. apart each way.....	48	55
40 ft. apart each way.....	27	31

## FERTILIZERS

Do You Want Better Vegetables?  
Do You Want Better Fruit?

Do You Want Better Roses?  
Do You Want a Velvety Lawn?

Use *WILGROW* Fertilizer

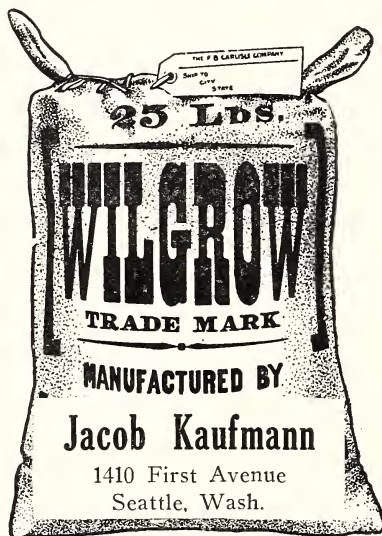
### WILGROW

The Fertilizer Without  
a Filler

The Wizard of the  
Fields

Odorless

*WILGROW*  
CAN BE USED  
INDOORS  
OR  
OUTDOORS



*WILGROW*  
CAN BE USED  
FOR ANY  
PLANT THAT  
GROWS.  
Fine for Trees

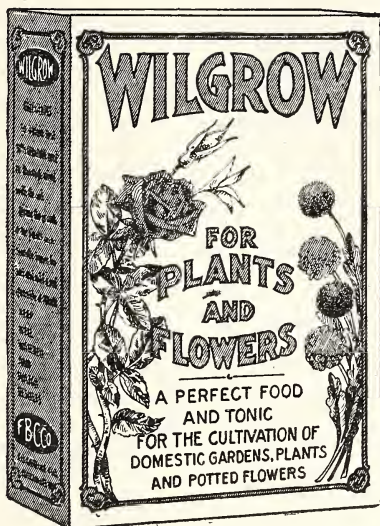
Use one tablespoonful to the plant or rose bush; work into the ground.  
Use one 25-lb. bag to 1250 square feet of lawn.  
Then watch results. No filler in *WILGROW*.

1½-lb. package <b>WILGROW</b> .....	25.	Postpaid.....	\$ .35
5 lbs. <b>WILGROW</b> .....	50.	Postpaid.....	.65
10 lbs. <b>WILGROW</b> .....	90.	Postpaid.....	1.10
25-lb. bag <b>WILGROW</b> .....	1.75.	Postpaid.....	2.00
50-lb. bag <b>WILGROW</b> .....	2.75.	Delivered in Seattle, 2.75	
100-lb. bag <b>WILGROW</b> .....	5.00.	Delivered in Seattle, 5.00	

### ANALYSIS OF *WILGROW*

Nitrogen .....	7.00 per cent
Total Phosphoric Acid.....	11.00 per cent
Soluble Potash.....	6.00 per cent

# The Preparation and Care Of Lawns



WILGROW is particularly adapted for use on Lawns and if our directions are followed a most beautiful dark green velvety lawn will be the result. A 25-lb. bag of WILGROW is sufficient for 1250 square feet of lawn, care being used that it is put on evenly and not in lumps or handfuls.

New lawns should receive a somewhat larger application and raked evenly into the soil; then the lawn should be carefully seeded with our Velvet Turf Lawn Grass Seed and rolled to a smooth surface. Water frequently with a fine spray.

On old lawns, WILGROW should be used each year, about 25 lbs. to 1250 square feet of lawn; after which give the lawn a light sowing of grass seed and roll both into the ground.

WILGROW should be used during the early spring or early fall, but can be used safely at any time (except in very hot weather) if the lawn is well sprinkled every day for two weeks after application.

Nothing adds more to the home surroundings than a well-kept, velvety lawn and nothing is any easier to obtain. A bag of WILGROW and plenty of moisture will grow a fine lawn on any soil.

**CAUTION**—It is advisable not to apply fertilizer directly in contact with the tender feeder roots of a plant; keep this food a few inches from the roots; they will naturally reach out for it.

**WRITE FOR A FREE TRIAL SAMPLE**

# Jacob Kaufmann Co.

1410 First Avenue - - - - - Seattle, Wash.

Telephone MAin 3589

# 100% True NORWEGIAN COD-LIVER OIL

(Phosphated and Plain)

A VITAMIN-RICH FOOD

## For DOGS, CATS, FOXES and Other Animals

Produced by Scott & Bowne, Makers of the World-Renowned Scott's Emulsion  
THE TONIC-FOOD YOU HAVE BEEN SEEKING

Your Dogs and KO-VITA Are Inseparable

There is no better remedy to keep your dogs in the most healthful condition than KO-VITA raw Norwegian cod-liver oil. A teaspoonful mixed with food twice daily gives surprising results.

**Distemper claims many fine dogs.** Keep the blood stream in good condition and the dogs will be able to throw off even the worst contagion. KO-VITA is Nature's way of building reserve force through blood resistance.

**For conditioning Show Animals** there is nothing more helpful than KO-VITA plain or phosphated raw Norwegian cod-liver oil. It builds bone and good solid flesh, produces a silky coat and gives that clearness of eye and alertness which go far toward making a winner.

Phosphated—5 oz. bottle, 50c; 1 pint can, \$1.00

Plain—½ gallon can, \$1.75; 1 gallon can, \$3.00; 5 gallons, \$13.50

1 quart, \$1.00 (Postpaid.) (Alaska partly postpaid.)

## A DOG'S SKIN

Do you know that a dog perspires only through his mouth and feet? If he had sweat glands in his skin, every time he became warm his fur would be wet with perspiration, necessitating bathing him every day or so, for while playing around in or out of doors he would continually pick up dirt and germs.

But Nature's wisdom provided his skin with natural oils which are a protection against a dry and irritated skin.

Man, using soap on himself, which does not leave his skin dry because of sweat glands which provide instant moisture, must remember that the same soap does not apply to a skin which does not perspire.

If you bathe your dog with ordinary soap or any preparation that cuts the oil, you leave him unprotected with a dry, irritated skin by taking away all the natural oil, which subjects him to colds and skin diseases.

Ilak Shampoo removes dirt and germs from your dog's fur and skin, and at the same time replaces the natural oil necessary to retain a healthy skin and lustrous coat.

Ilak Shampoo, the fluffy, glossy coat producer and reconditioner; the non-poisonous, non-irritating, absolutely harmless shampoo for and preventive against fleas, lice, nits, skin diseases and colds, perfectly harmless to the eyes and stomach of the smallest puppy or kitten, thoroughly cleanses the skin and coat and brings out its natural life and beauty.

It cannot be used too often, but once every few weeks is sufficient to prevent fleas, lice, nits, colds and skin diseases.

### DIRECTIONS

Simply wet the dog with warm water, apply Ilak Shampoo, massage briskly. Then rake lather off with hands, rinse the dog with warm water, and dry with coarse towel.

An excellent shampoo for the human hair.

**To Kill Vermin:** The first application of Ilak Shampoo kills fleas, lice and nits.

**For Eczema and Mange:** Bathe dog with Ilak Shampoo and then apply Ilak Shampoo to diseased spots and allow to remain. Apply from three to four times a week until healed.

**To Prevent Vermin:** Fleas, lice and nits pop off a dog like Mexican jumping beans if the dog is bathed every few weeks with Ilak Shampoo.

**To Prevent Colds:** Ilak Shampoo protects the dog from catching cold after a bath.

Used and Recommended by Prominent Veterinarians  
50c, \$1.00 and \$1.65 Sizes

**Jacob Kaufmann Co.** SEATTLE, WASHINGTON

### Your Address

**IN THE BLANKS BELOW.** Also keep you rorder separate from other matters you may wish to write about.

Name \_\_\_\_\_

Very Plainly

Postoffice.....R. F. D. No.....

Station.....

County \_\_\_\_\_ State \_\_\_\_\_

Date..... Amt. Inclosed \$.....

Forward by .....

State if wanted by Mail, Express, Freight or Steamer

[illegible]

QUANTITY	NAME OF ARTICLE	PRICE	
	AMOUNT BROUGHT FORWARD		
	TOTAL AMOUNT OF ORDER		

Kindly add here a few of your neighbors who buy Seeds and Plants and we will forward them our Catalogue.

NAMES	POSTOFFICE	STATE	R. F. D.

 **USE WILGROW FERTILIZER — Odorless** 

**Jacob Kaufmann Co.** SEATTLE, WASHINGTON

**IN THE BLANKS BELOW.** Also keep you rorder separate from other matters you may wish to write about.

State if wanted by Mail, Express, Freight or Steamer

[illegible]

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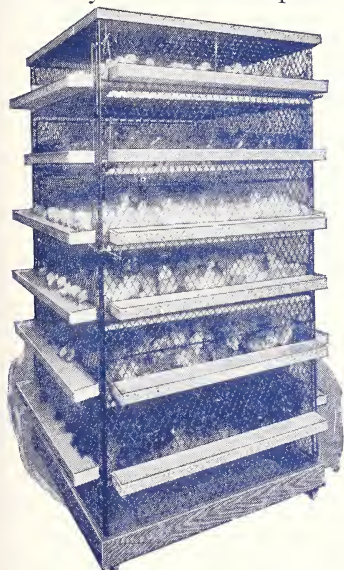
# Skookum

# BABY CHIX

White Leghorns, Barred Plymouth Rocks, Rhode Island Reds, Buff Orpington and Jersey Black Giants.

Baby Chicks on hand all the time. Now you can get these little fellows that have been started in the brooders.

We invite you to the store so that we may show you the fine quality of these Chicks.



Showing how we start the baby chicks in the brooders.

## BROODERS — Oil, Coal and Electric

Just the Thing for a Small Brood!

### LYONS ELECTRIC

500 Size, 68-inch Canopy.....	\$42.00
350 Size, 56-inch Canopy.....	32.50
200 Size, 42-inch Canopy.....	25.00

### BUCKEYE COAL

No. 119, 1000-Chick Capacity .....	\$26.50
No. 118, 500-Chick Capacity .....	21.50

### NEWTOWN COAL

No. 12, 1000-Chick Capacity .....	\$51.00
No. 11, 500-Chick Capacity .....	38.50

## CHARTERS INCUBATORS

Double Temperature Control—Automatic

PRICES — F. O. B. Seattle, Wash.

	Oil or Electric	Combination
540-Egg Size .....	\$83.00	\$95.00
405-Egg Size .....	70.00	85.00
270-Egg Size .....	59.00	75.00
135-Egg Size .....	49.00	65.00

## PRICE PER CHICK

S. C. White Leghorns				R. I. Reds Barred Rocks		Buff Orpingtons		Jersey Black Giant
No. Chicks	Jan. 1st to Apr. 30th	May 1st to May 15th	May 16th to July 15th	Jan. 1st to May 15th	May 16th to July 15th	Jan. 1st to May 15th	May 16th to July 1st	All Season
1000 up	17c	14c	12c	18c	16c	19c	17c	25c
500	17c	14c	12c	19c	17c	20c	18c	27c
100	17½c	15c	13c	20c	18c	21c	19c	30c
50	18c	15½c	13½c	21c	19c	22c	20c	35c
25	20c	16c	14c	22c	20c	23c	21c	40c

A Deposit of \$2.00 per 100 Chix Required with Order. 100% Live Delivery Guaranteed.

## PRICE ON STARTED CHIX

ADD THESE PRICES TO THE DAY-OLD PRICE

3 days, add.....	1c	9 days, add.....	4½c	15 days, add.....	9c
4 days, add.....	1½c	10 days, add.....	5c	16 days, add.....	10c
5 days, add.....	2c	11 days, add.....	6c	17 days, add.....	11c
6 days, add.....	2½c	12 days., add.....	6¾c	18 days, add.....	12c
7 days, add.....	3c	13 days, add.....	7½c	19 days, add.....	13c
8 days, add.....	3¾c	14 days, add.....	8c	20 days, add.....	14c
				21 days, add.....	15c

Write for Special Booklet telling how to raise Baby Chicks. IT IS FREE!

## *To Our Friends and Customers:—*

The following editorial, which appeared in the Seattle Daily Times, pays a fitting tribute to the memory of my father. His honesty, sincerity, and business integrity won for him a host of friends. I have pledged myself to both serve these friends faithfully and to live up to the same standards set by my father.

### BY THE BEST OF TESTS

The claims of death, never to be denied, once more have been asserted to the distinct loss of Seattle in the passing of Jacob Kaufmann, for whom funeral services were held yesterday. Beloved of a fine family, held in affectionate regard by business associates and employes, Mr. Kaufmann's quiet dignity and un-failing sincerity had won for him the friendship of all who came to know him in the years of his residence here.

No man's success in life may be accurately measured by his accumulation of wealth or his attainment to prominence in public affairs. The truer test must ever be found in the manner in which he lived and the value of his service in the field of his choice. Judged by any such test, Mr. Kaufmann was highly successful. He made no bid for high rating in civic leadership, yet was recognized as one of Seattle's most useful citizens.

Such recognition is not always granted even to those of whom the public hears the most. To leave the record of a clean and wholesome life, marked by devotion to family, by aid to every worthy cause, by justice, courtesy and kindness in every contact, is to prove the achievement of more than passing success. This is the record left by Jacob Kaufmann.

—Winfield Kaufmann.



## **JACOB KAUFMANN CO.**

1410 First Avenue

Telephone MAin 3589

Seattle, Wash.

*Established in the 18th Century*



FRAYN & Co., Printers